

**WATER PROPERTY OBSERVATIONS  
FROM THE NORTH COAST OCEANIC  
DYNAMICS EXPERIMENT  
(NCODE): MAY 1983 - DECEMBER 1985  
VOLUME 3**

by

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Sidney, B.C. V8L 4B2

**1988**

**CANADIAN DATA REPORT OF  
HYDROGRAPHY AND OCEAN SCIENCES  
NO. 67(3)**



Canada

### **Canadian Data Report Of Hydrography and Ocean Sciences**

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

### **Rapport statistique canadien sur l'hydrographie et les sciences océaniques**

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Data Report of Hydrography and Ocean Sciences No.67(3)

1988

WATER PROPERTY OBSERVATIONS FROM THE NORTH COAST OCEANIC DYNAMICS  
EXPERIMENT (NCODE): MAY 1983 - DECEMBER 1985

VOLUME 3

by

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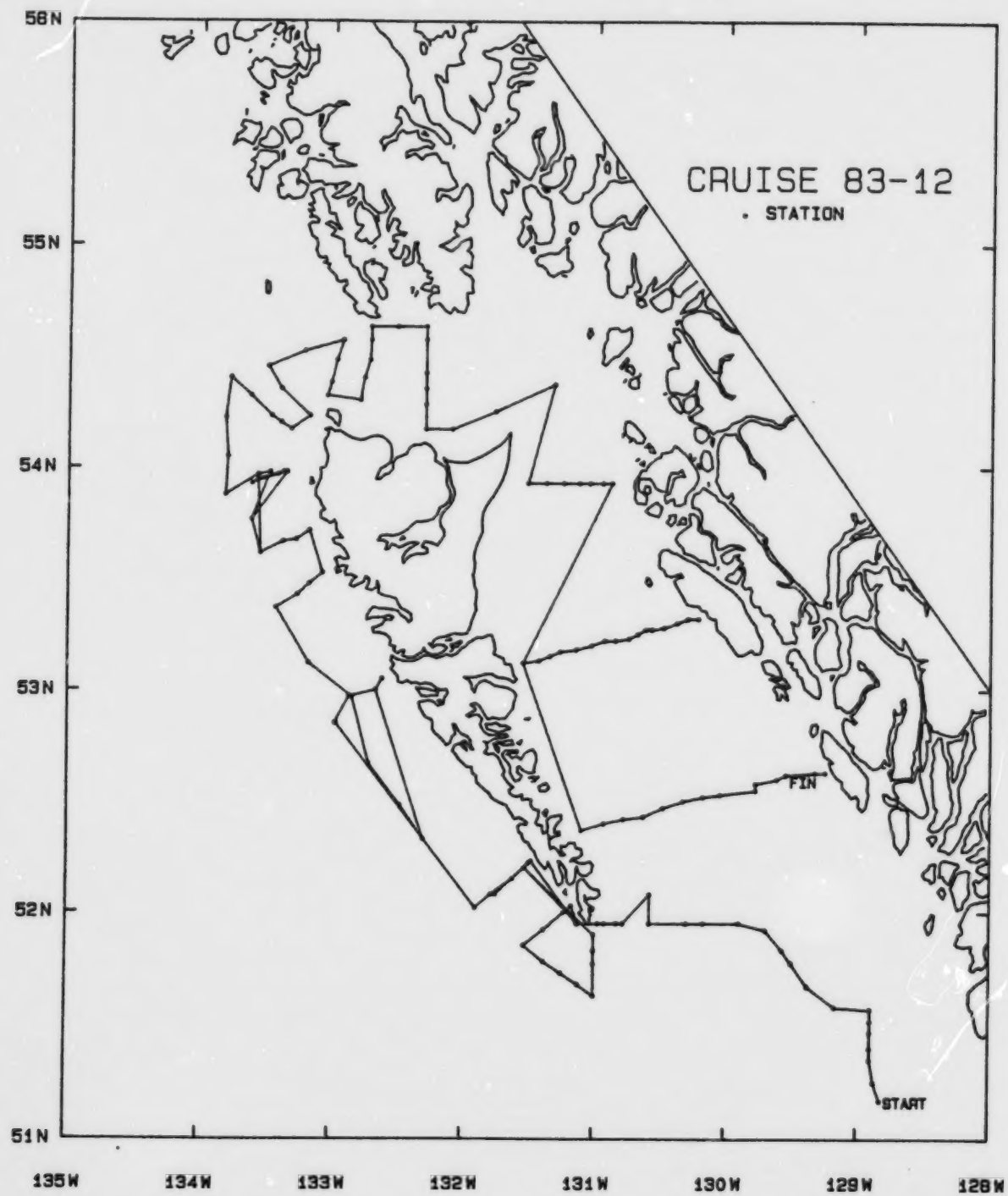
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1

CRUISE 83-12  
7-26 SEPT. 1983



## NORTH COAST OCEANIC DYNAMICS EXPERIMENT

Key to information written on Plot pages and Listing pages.

PLOT PAGE

Ref. No.    Year-Month-Station    Consecutive Number  
 Latitude (°N)    Longitude (°W)  
 Month   Day   Time (GMT)\*

\*PST = GMT - 8 hours

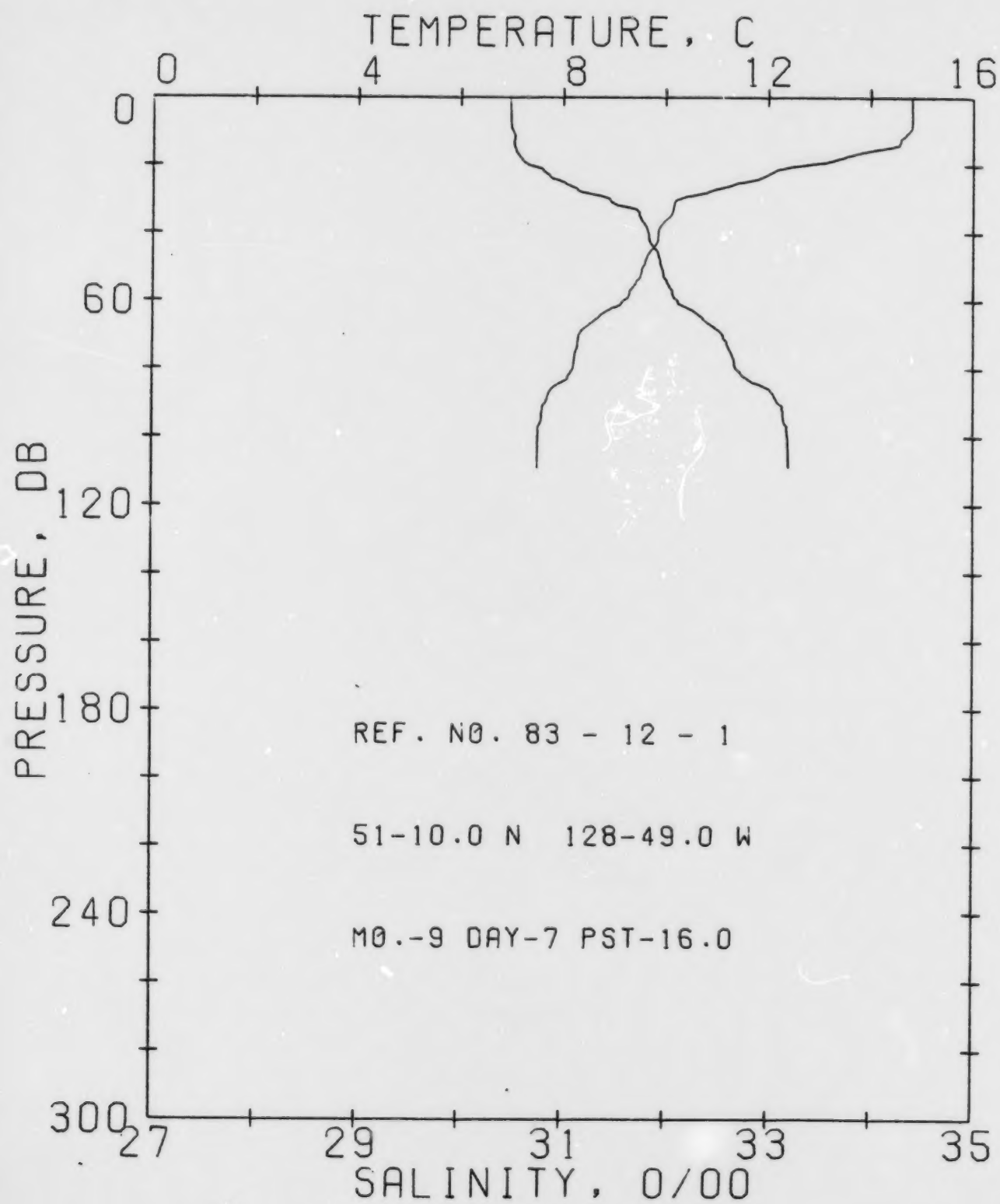
LISTING PAGE

Ref. No.    Year-Month-Station    Reference Number    Date (D/Mo/Yr)  
 Position    Latitude (°N)    Longitude (°W)    GMT (Hours)    Station ID  
 Results of STP Cast    ...Number of 1-metre averaged points  
 taken from digital system...    Guildline (CTP) was used...  
 Pressures (in db) are input

PARAMETERS, SYMBOLS, UNITS

DEPTH:    DEPTH in metres  
 TEMPERATURE:    TEMP in degrees Celcius  
 SALINITY:    SAL in grams per kilogram  
 SIGMA-T:    SIG-T (dimensionless)  
 SPECIFIC VOLUME ANOMALY:    SVA in  $10\text{Exp}(-5) * \text{cm}^3/\text{gram}$   
 GEOPOTENTIAL ANOMALY:    DELTA-D in Joules/Kilogram  
 POTENTIAL ENERGY:    POT. EN. in  $10\text{Exp}(8) \text{ Ergs}/\text{cm}^2$   
 SPEED OF SOUND:    SOUND in metres/second

4



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 1

DATE 7/ 9/83

POSITION 51-10.0N, 128-49.0W

16.0

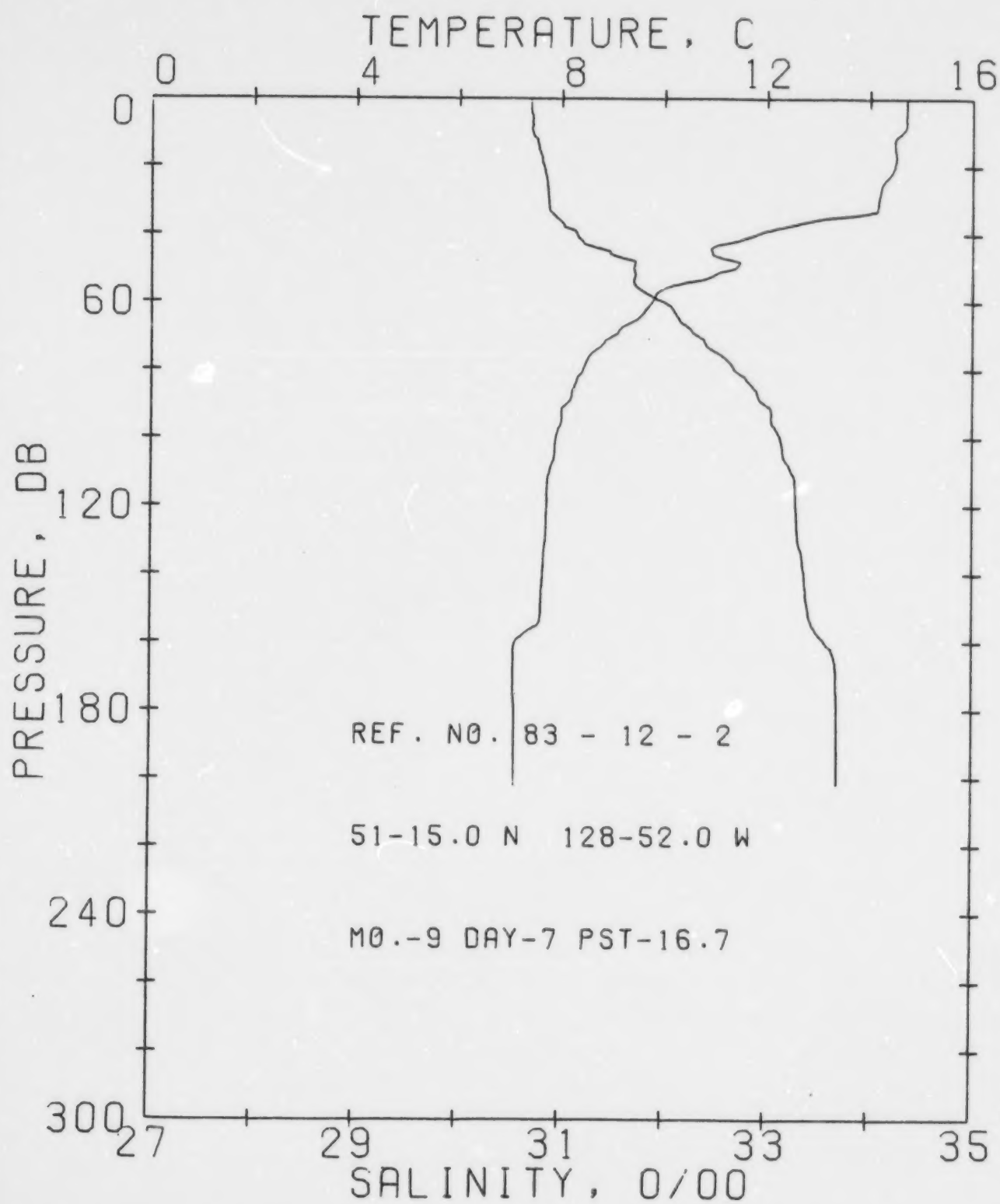
STATION C13

RESULTS OF STP CAST 110 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.80 | 30.49 | 0     | 22.57      | 528.8 | .00        | .00        | 1501. |
| 10    | 14.75 | 30.51 | 10    | 22.60      | 525.9 | .53        | .03        | 1501. |
| 20    | 12.59 | 30.67 | 20    | 23.15      | 473.8 | 1.04       | .10        | 1494. |
| 30    | 10.21 | 31.46 | 30    | 24.18      | 374.9 | 1.47       | .21        | 1487. |
| 50    | 9.56  | 31.96 | 50    | 24.68      | 328.3 | 2.16       | .49        | 1486. |
| 75    | 8.24  | 32.64 | 75    | 25.41      | 259.1 | 2.89       | .96        | 1482. |
| 100   | 7.52  | 33.19 | 99    | 25.94      | 208.4 | 3.47       | 1.47       | 1480. |

6



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 2

DATE 7/ 9/83

POSITION 51-15.0N, 128-52.0W

16.7

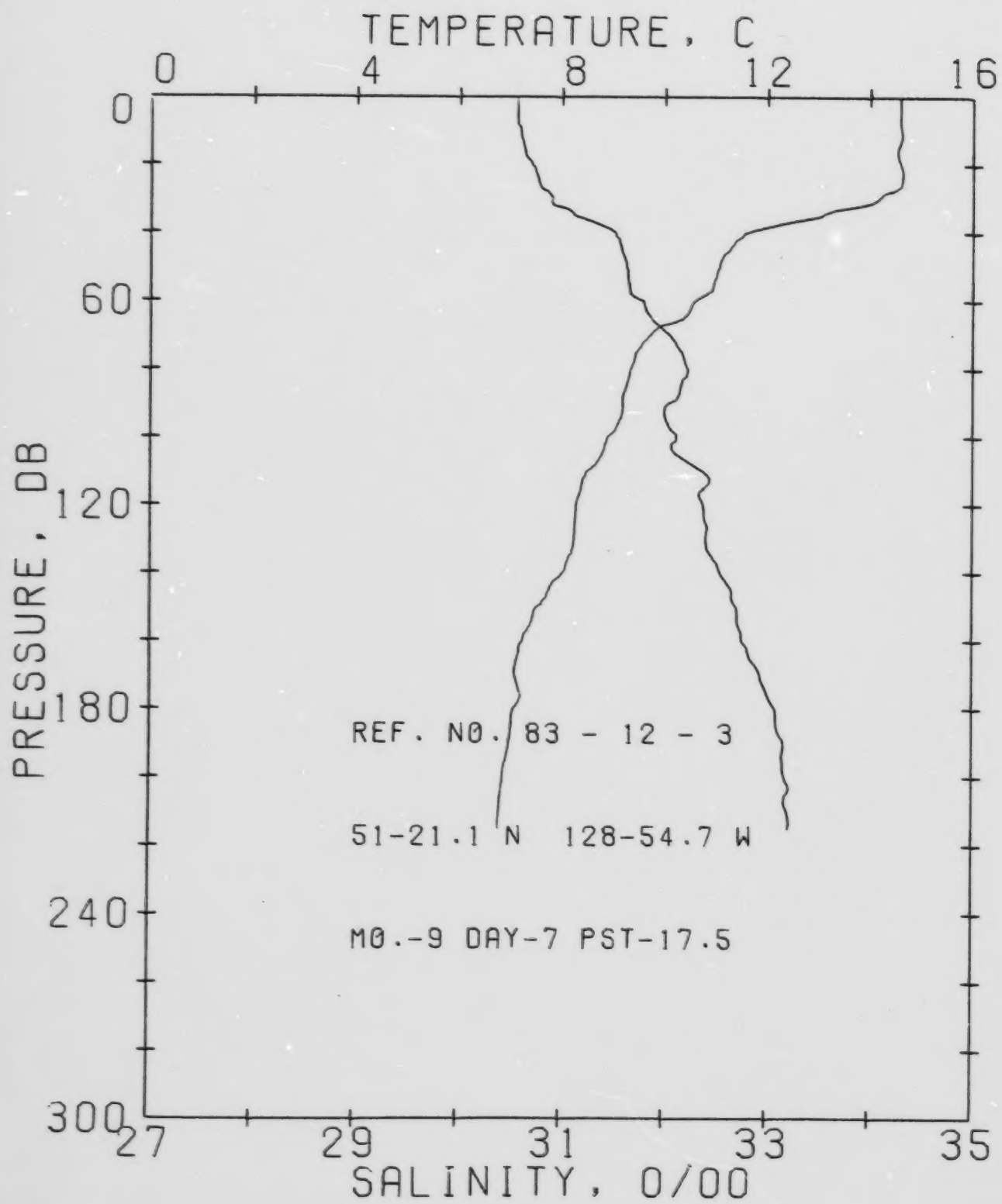
STATION C11

RESULTS OF STP CAST 203 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.72 | 30.70 | 0     | 22.75      | 511.4 | .00        | .00        | 1501. |
| 10    | 14.62 | 30.71 | 10    | 22.78      | 508.8 | .51        | .03        | 1501. |
| 20    | 14.48 | 30.83 | 20    | 22.90      | 497.9 | 1.01       | .10        | 1501. |
| 30    | 14.17 | 30.87 | 30    | 23.00      | 488.6 | 1.50       | .23        | 1500. |
| 50    | 11.38 | 31.70 | 50    | 24.16      | 377.4 | 2.36       | .57        | 1492. |
| 75    | 8.59  | 32.52 | 75    | 25.27      | 272.4 | 3.17       | 1.08       | 1483. |
| 100   | 7.90  | 33.13 | 99    | 25.85      | 217.8 | 3.77       | 1.61       | 1482. |
| 125   | 7.71  | 33.29 | 124   | 26.00      | 203.7 | 4.29       | 2.21       | 1482. |
| 150   | 7.61  | 33.40 | 149   | 26.10      | 194.4 | 4.79       | 2.91       | 1482. |
| 175   | 7.08  | 33.68 | 174   | 26.39      | 166.8 | 5.23       | 3.64       | 1481. |
| 200   | 7.11  | 33.69 | 199   | 26.40      | 166.8 | 5.65       | 4.43       | 1481. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 3

DATE 7/ 9/83

POSITION 51-21.1N, 128-54.7W

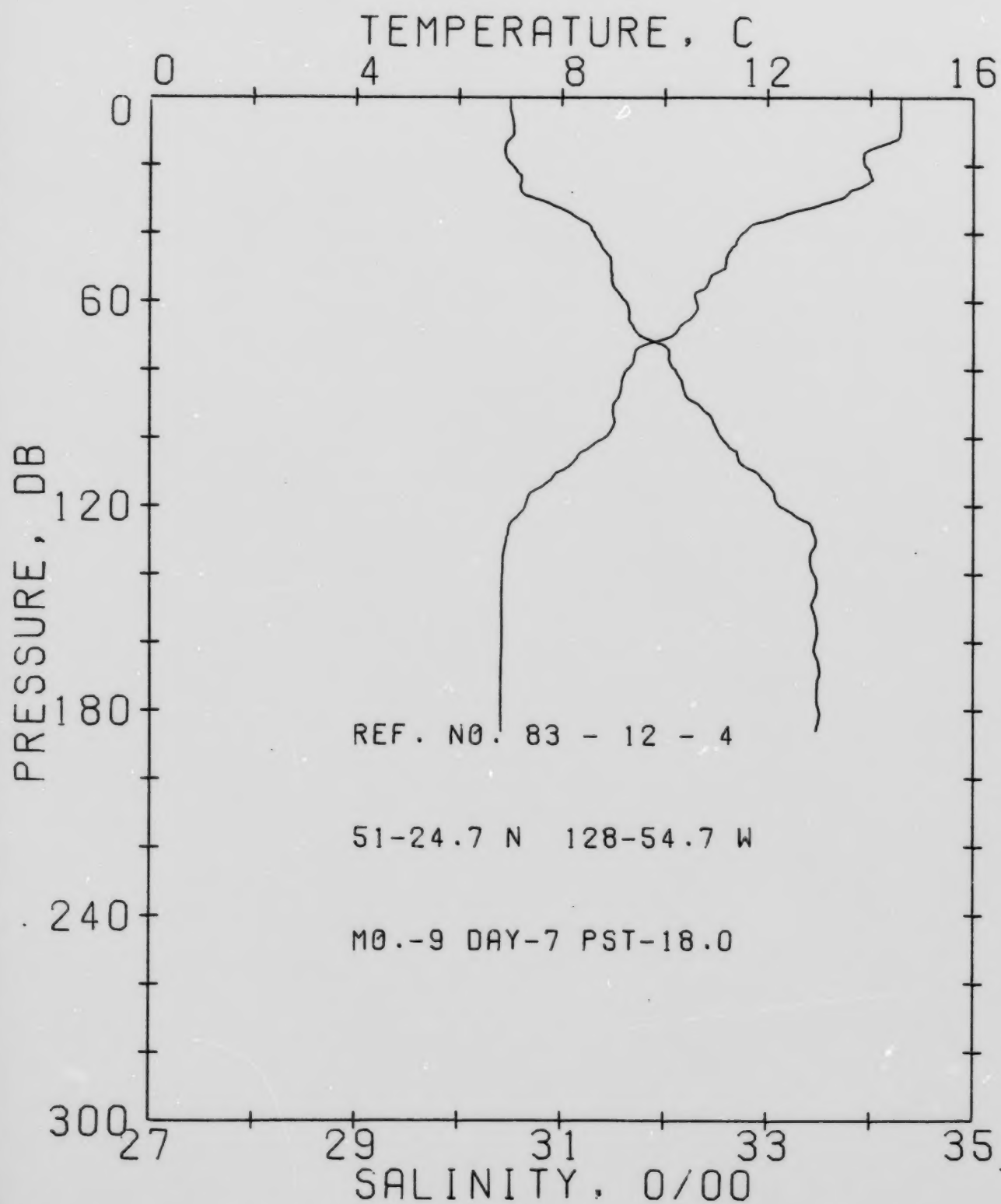
17.5

STATION C 9

RESULTS OF STP CAST 216 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.58 | 30.56 | 0     | 22.67      | 518.8 | .00        | .00        | 1501. |
| 10    | 14.61 | 30.60 | 10    | 22.69      | 517.2 | .52        | .03        | 1501. |
| 20    | 14.60 | 30.71 | 20    | 22.78      | 508.7 | 1.03       | .10        | 1501. |
| 30    | 14.16 | 30.91 | 30    | 23.03      | 485.5 | 1.53       | .23        | 1500. |
| 50    | 11.07 | 31.63 | 50    | 24.17      | 377.1 | 2.36       | .57        | 1491. |
| 75    | 9.45  | 32.17 | 75    | 24.86      | 311.3 | 3.23       | 1.12       | 1486. |
| 100   | 8.89  | 32.11 | 100   | 24.90      | 307.7 | 4.01       | 1.81       | 1484. |
| 125   | 8.27  | 32.40 | 124   | 25.22      | 277.9 | 4.74       | 2.64       | 1483. |
| 150   | 7.51  | 32.70 | 149   | 25.57      | 245.0 | 5.40       | 3.57       | 1480. |
| 175   | 7.20  | 33.00 | 174   | 25.84      | 219.0 | 5.98       | 4.53       | 1480. |
| 200   | 6.88  | 33.18 | 199   | 26.02      | 202.0 | 6.50       | 5.52       | 1479. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 4

DATE 7/ 9/83

POSITION 51-24.7N, 128-54.7W

18.0

STATION C 7

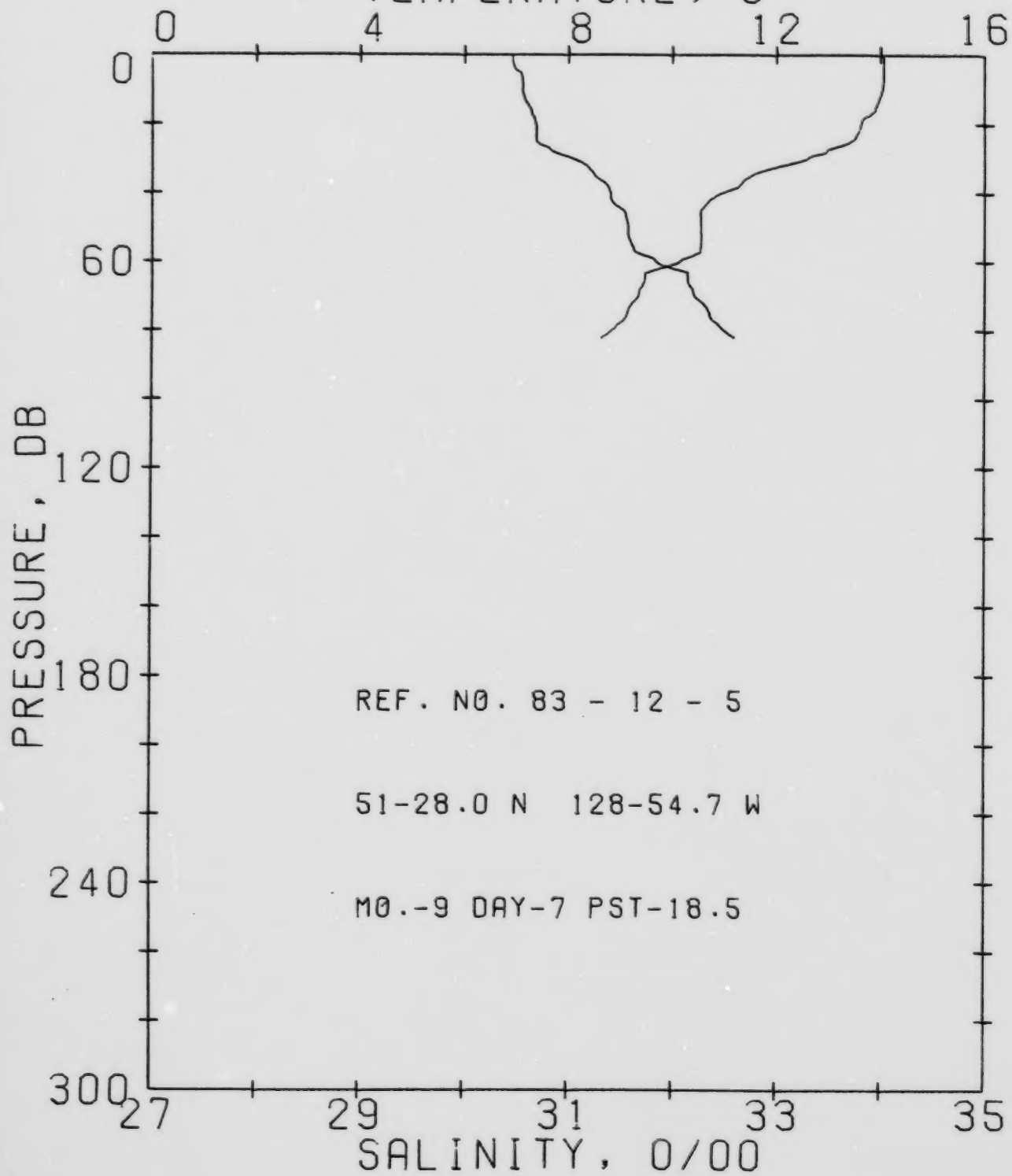
RESULTS OF STP CAST 187 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.59 | 30.50 | 0     | 22.62      | 523.6 | .00        | .00        | 1501. |
| 10    | 14.58 | 30.53 | 10    | 22.65      | 521.2 | .52        | .03        | 1501. |
| 20    | 13.90 | 30.52 | 20    | 22.78      | 508.8 | 1.04       | .11        | 1499. |
| 30    | 13.32 | 30.76 | 30    | 23.08      | 480.9 | 1.54       | .23        | 1497. |
| 50    | 11.18 | 31.48 | 50    | 24.03      | 390.1 | 2.37       | .57        | 1491. |
| 75    | 9.42  | 32.04 | 75    | 24.77      | 320.3 | 3.28       | 1.15       | 1486. |
| 100   | 8.82  | 32.55 | 100   | 25.26      | 273.9 | 4.03       | 1.81       | 1485. |
| 125   | 7.00  | 33.42 | 124   | 26.19      | 184.9 | 4.61       | 2.47       | 1479. |
| 150   | 6.84  | 33.43 | 149   | 26.23      | 181.8 | 5.06       | 3.10       | 1479. |
| 175   | 6.82  | 33.48 | 174   | 26.27      | 178.5 | 5.51       | 3.84       | 1479. |

12

TEMPERATURE, C



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 5

DATE 7/ 9/83

POSITION 51-28.0N, 128-54.7W

13.5

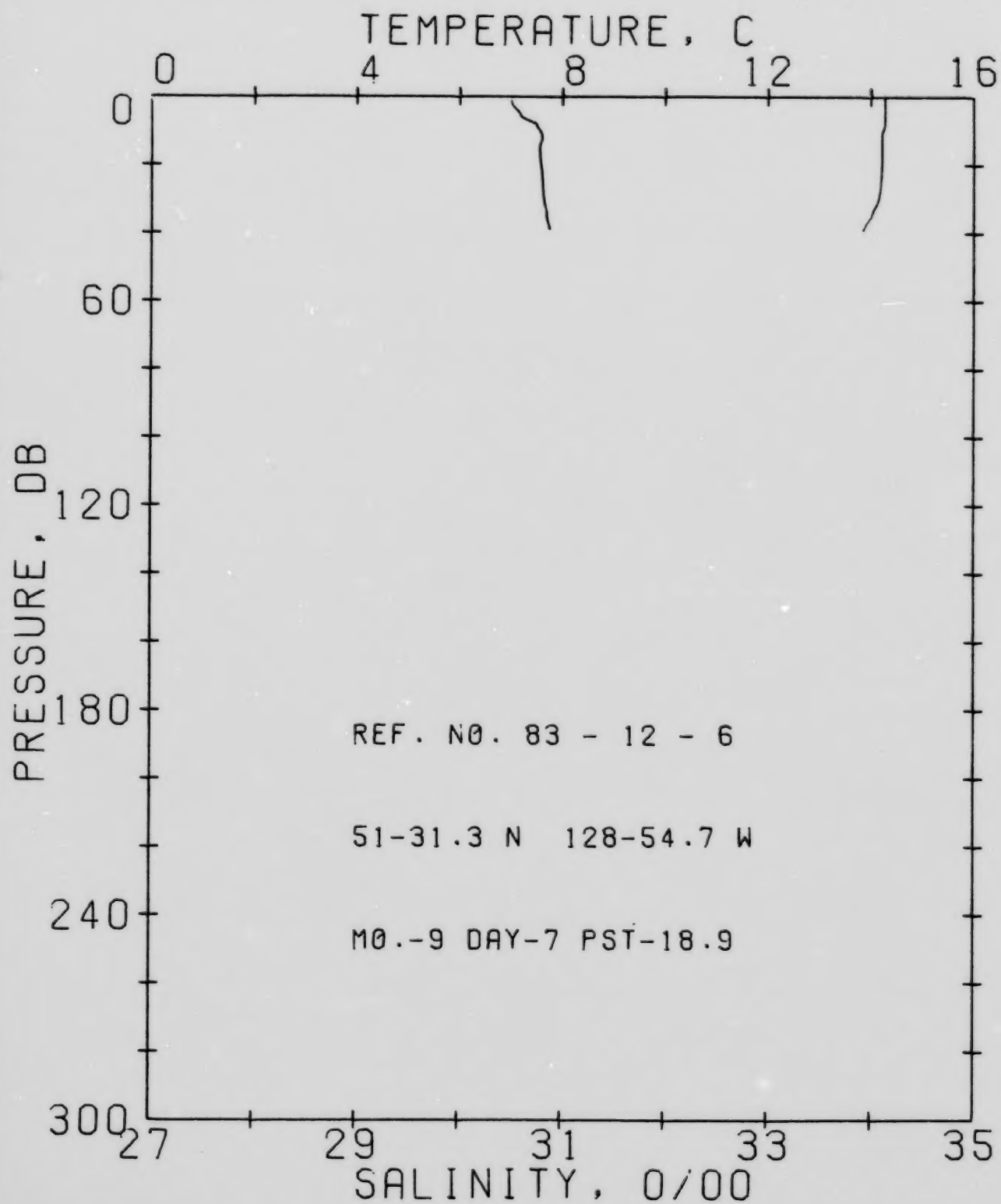
STATION C 5

RESULTS OF STP CAST 83 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.06 | 30.46 | 0     | 22.70      | 515.7 | .00        | .00        | 1499. |
| 10    | 14.04 | 30.55 | 10    | 22.78      | 509.0 | .51        | .03        | 1499. |
| 20    | 13.63 | 30.69 | 20    | 22.96      | 491.4 | 1.01       | .10        | 1498. |
| 30    | 12.59 | 31.04 | 30    | 23.44      | 446.2 | 1.49       | .22        | 1495. |
| 50    | 10.55 | 31.58 | 50    | 24.22      | 372.2 | 2.28       | .54        | 1489. |
| 75    | 9.14  | 32.36 | 75    | 25.05      | 292.9 | 3.11       | 1.07       | 1485. |

14



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 6

DATE 7/ 9/83

POSITION 51-31.3N, 128-54.7W

18.9

STATION C 3

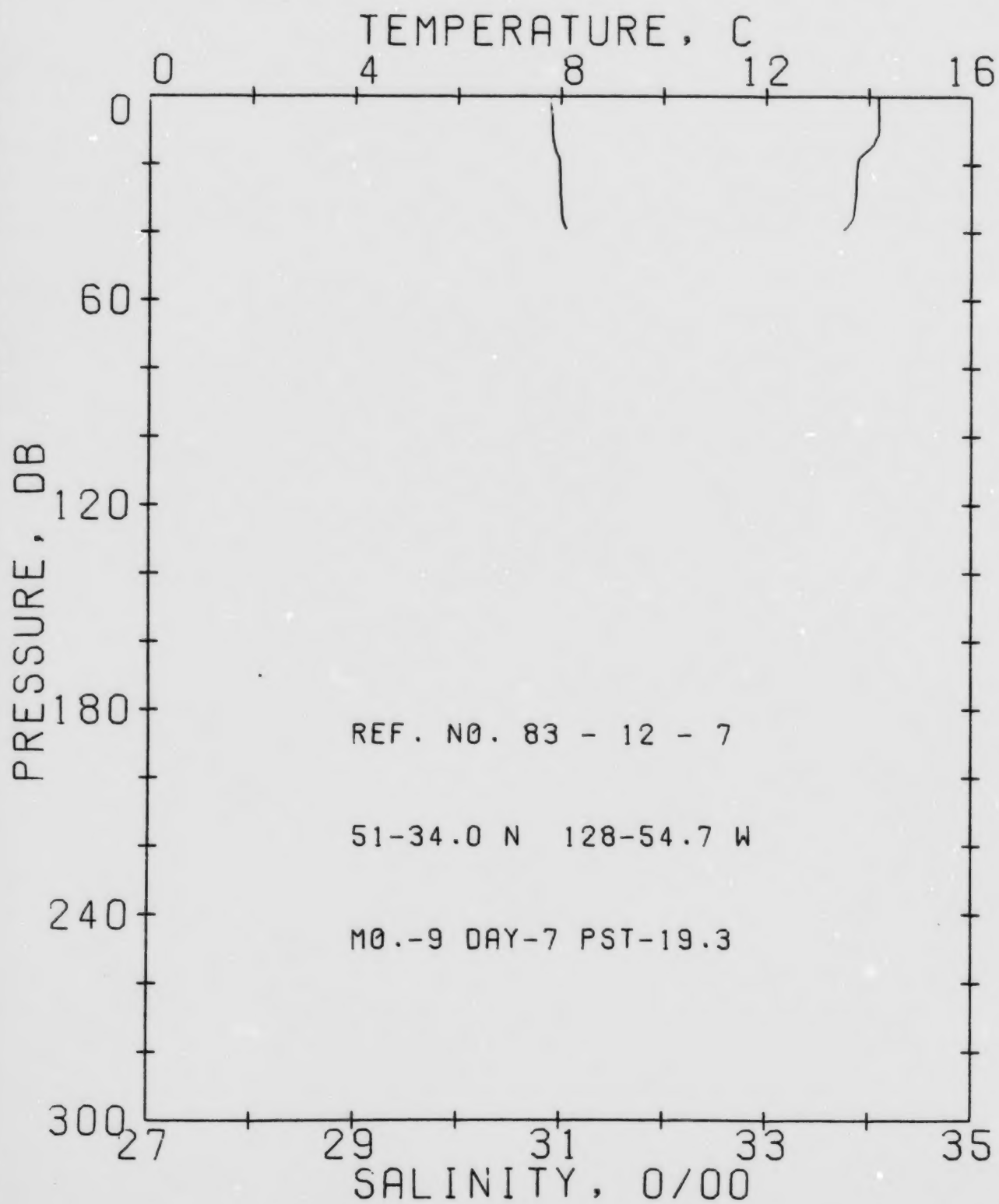
RESULTS OF STP CAST 40 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.28 | 30.51 | 0     | 22.69      | 516.8 | .00        | .00        | 1500. |
| 10    | 14.23 | 30.79 | 10    | 22.92      | 495.6 | .51        | .03        | 1500. |
| 20    | 14.22 | 30.79 | 20    | 22.92      | 495.1 | 1.00       | .10        | 1500. |
| 30    | 14.16 | 30.82 | 30    | 22.96      | 492.0 | 1.50       | .23        | 1500. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 14.28 | 30.51 | 20.  |       | 14.22 | 30.79 |
| 1.   |       | 14.28 | 30.51 | 21.  |       | 14.22 | 30.80 |
| 2.   |       | 14.28 | 30.51 | 22.  |       | 14.21 | 30.80 |
| 3.   |       | 14.28 | 30.53 | 23.  |       | 14.21 | 30.81 |
| 4.   |       | 14.28 | 30.56 | 24.  |       | 14.20 | 30.81 |
| 5.   |       | 14.28 | 30.59 | 25.  |       | 14.20 | 30.81 |
| 6.   |       | 14.28 | 30.60 | 26.  |       | 14.20 | 30.81 |
| 7.   |       | 14.28 | 30.67 | 27.  |       | 14.20 | 30.81 |
| 8.   |       | 14.28 | 30.75 | 28.  |       | 14.18 | 30.82 |
| 9.   |       | 14.27 | 30.76 | 29.  |       | 14.17 | 30.82 |
| 10.  |       | 14.23 | 30.79 | 30.  |       | 14.16 | 30.82 |
| 11.  |       | 14.22 | 30.80 | 31.  |       | 14.14 | 30.83 |
| 12.  |       | 14.22 | 30.81 | 32.  |       | 14.11 | 30.83 |
| 13.  |       | 14.22 | 30.80 | 33.  |       | 14.06 | 30.85 |
| 14.  |       | 14.22 | 30.78 | 34.  |       | 14.04 | 30.85 |
| 15.  |       | 14.22 | 30.77 | 35.  |       | 14.02 | 30.85 |
| 16.  |       | 14.22 | 30.78 | 36.  |       | 13.97 | 30.85 |
| 17.  |       | 14.22 | 30.79 | 37.  |       | 13.93 | 30.86 |
| 18.  |       | 14.22 | 30.79 | 38.  |       | 13.90 | 30.87 |
| 19.  |       | 14.22 | 30.79 | 39.  |       | 13.86 | 30.88 |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 7

DATE 7/ 9/83

POSITION 51-34.0N, 128-54.7W

19.3

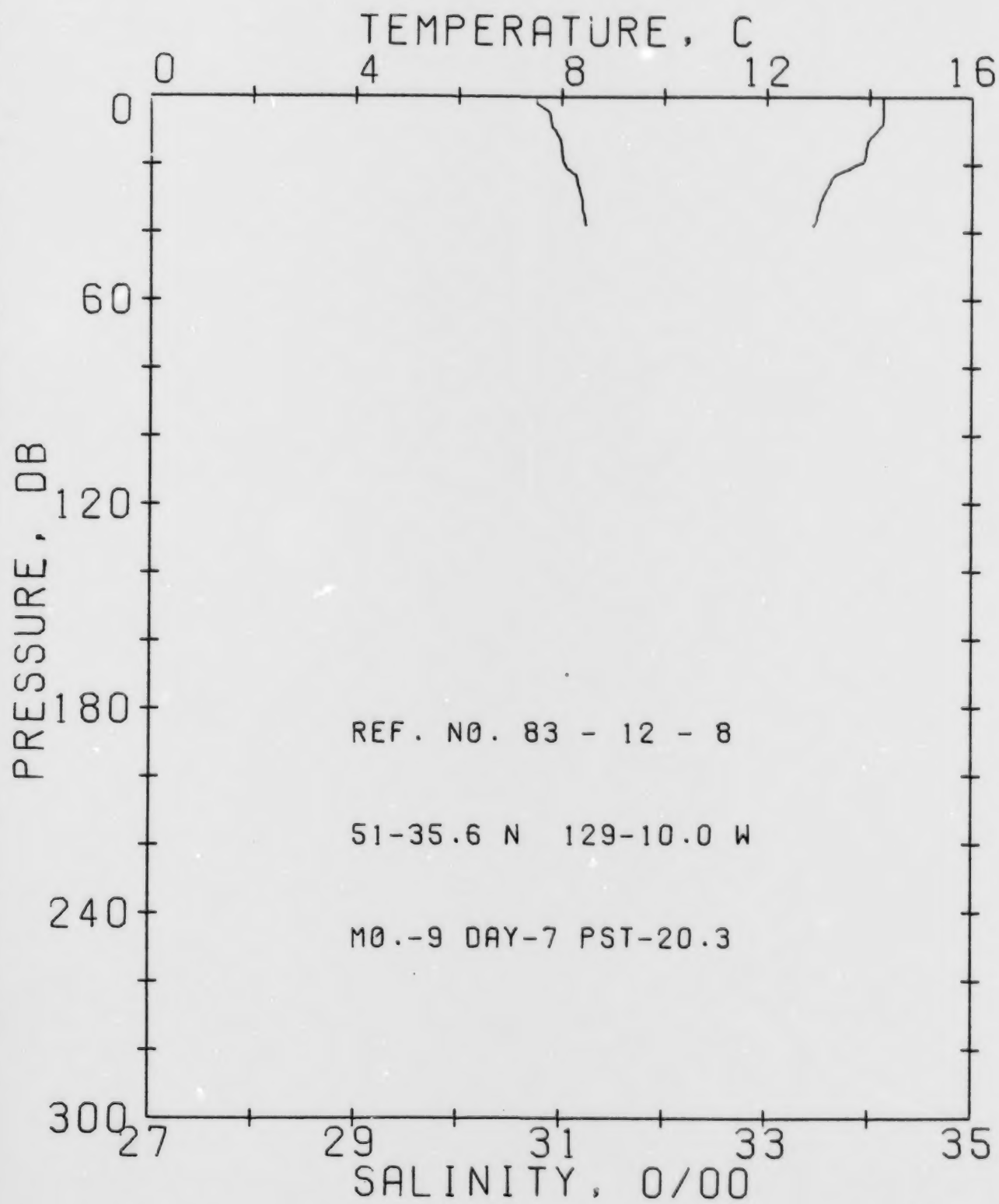
STATION C 1

RESULTS OF STP CAST 40 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.19 | 30.90 | 0     | 23.01      | 486.1 | .00        | .00        | 1500. |
| 10    | 14.20 | 30.92 | 10    | 23.03      | 485.2 | .49        | .02        | 1500. |
| 20    | 13.78 | 30.99 | 20    | 23.17      | 472.0 | .96        | .10        | 1499. |
| 30    | 13.74 | 31.00 | 30    | 23.18      | 470.7 | 1.44       | .22        | 1499. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 14.19 | 30.90 | 20.  |       | 13.78 | 30.99 |
| 1.   |       | 14.19 | 30.90 | 21.  |       | 13.77 | 31.00 |
| 2.   |       | 14.19 | 30.90 | 22.  |       | 13.77 | 30.99 |
| 3.   |       | 14.19 | 30.90 | 23.  |       | 13.76 | 31.00 |
| 4.   |       | 14.19 | 30.91 | 24.  |       | 13.76 | 31.00 |
| 5.   |       | 14.20 | 30.92 | 25.  |       | 13.76 | 31.00 |
| 6.   |       | 14.20 | 30.92 | 26.  |       | 13.76 | 31.00 |
| 7.   |       | 14.20 | 30.92 | 27.  |       | 13.76 | 31.00 |
| 8.   |       | 14.20 | 30.92 | 28.  |       | 13.76 | 31.00 |
| 9.   |       | 14.20 | 30.92 | 29.  |       | 13.76 | 31.00 |
| 10.  |       | 14.20 | 30.92 | 30.  |       | 13.74 | 31.00 |
| 11.  |       | 14.20 | 30.92 | 31.  |       | 13.73 | 31.01 |
| 12.  |       | 14.16 | 30.93 | 32.  |       | 13.73 | 31.01 |
| 13.  |       | 14.13 | 30.93 | 33.  |       | 13.72 | 31.01 |
| 14.  |       | 14.10 | 30.94 | 34.  |       | 13.72 | 31.01 |
| 15.  |       | 14.04 | 30.95 | 35.  |       | 13.71 | 31.01 |
| 16.  |       | 13.96 | 30.95 | 36.  |       | 13.69 | 31.02 |
| 17.  |       | 13.87 | 30.97 | 37.  |       | 13.65 | 31.03 |
| 18.  |       | 13.82 | 30.99 | 38.  |       | 13.60 | 31.04 |
| 19.  |       | 13.79 | 30.99 | 39.  |       | 13.53 | 31.06 |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 8

DATE 7/ 9/83

POSITION 51-35.6N, 129-10.0W

20.3

STATION M 2

RESULTS OF STP CAST

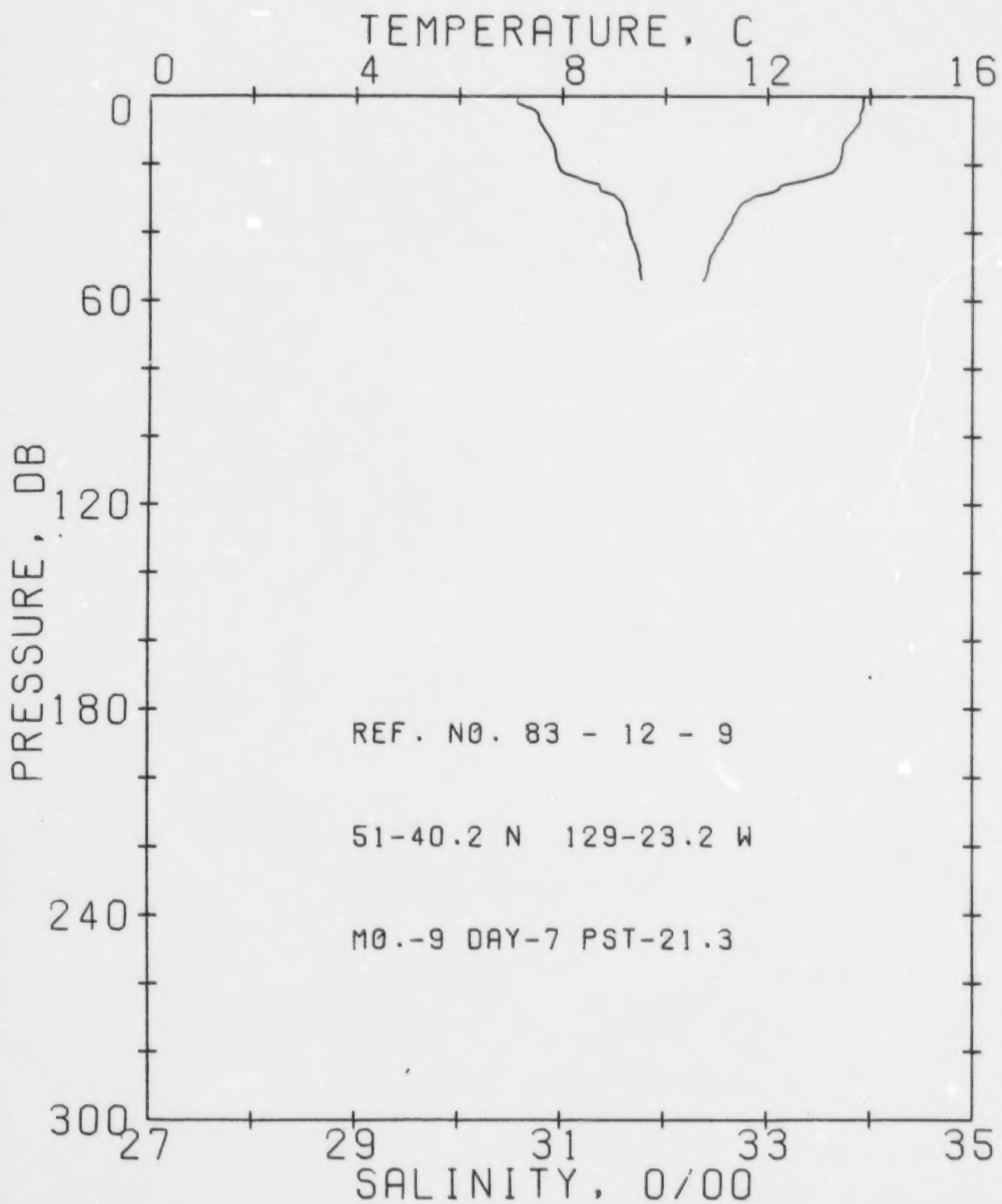
39 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.27 | 30.76 | 0     | 22.89      | 498.0 | .00        | .00        | 1500. |
| 10    | 14.15 | 30.95 | 10    | 23.06      | 482.2 | .49        | .02        | 1500. |
| 20    | 13.74 | 31.04 | 20    | 23.21      | 467.9 | .97        | .10        | 1499. |
| 30    | 13.09 | 31.20 | 30    | 23.46      | 443.9 | 1.42       | .21        | 1497. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 14.27 | 30.76 | 20.  |       | 13.74 | 31.04 |
| 1.   |       | 14.27 | 30.76 | 21.  |       | 13.63 | 31.05 |
| 2.   |       | 14.27 | 30.76 | 22.  |       | 13.47 | 31.10 |
| 3.   |       | 14.27 | 30.82 | 23.  |       | 13.33 | 31.14 |
| 4.   |       | 14.28 | 30.87 | 24.  |       | 13.28 | 31.15 |
| 5.   |       | 14.27 | 30.89 | 25.  |       | 13.25 | 31.16 |
| 6.   |       | 14.27 | 30.90 | 26.  |       | 13.22 | 31.16 |
| 7.   |       | 14.27 | 30.90 | 27.  |       | 13.18 | 31.18 |
| 8.   |       | 14.27 | 30.90 | 28.  |       | 13.15 | 31.18 |
| 9.   |       | 14.20 | 30.91 | 29.  |       | 13.11 | 31.19 |
| 10.  |       | 14.15 | 30.95 | 30.  |       | 13.09 | 31.20 |
| 11.  |       | 14.08 | 30.96 | 31.  |       | 13.05 | 31.21 |
| 12.  |       | 14.02 | 30.98 | 32.  |       | 13.04 | 31.21 |
| 13.  |       | 13.97 | 31.00 | 33.  |       | 13.04 | 31.21 |
| 14.  |       | 13.96 | 31.00 | 34.  |       | 13.01 | 31.21 |
| 15.  |       | 13.94 | 31.00 | 35.  |       | 12.98 | 31.23 |
| 16.  |       | 13.94 | 31.01 | 36.  |       | 12.98 | 31.23 |
| 17.  |       | 13.93 | 31.01 | 37.  |       | 12.96 | 31.23 |
| 18.  |       | 13.93 | 31.01 | 38.  |       | 12.92 | 31.24 |
| 19.  |       | 13.90 | 31.02 |      |       |       |       |

20



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 9

DATE 7/ 9/83

POSITION 51-40.2N, 129-23.2W

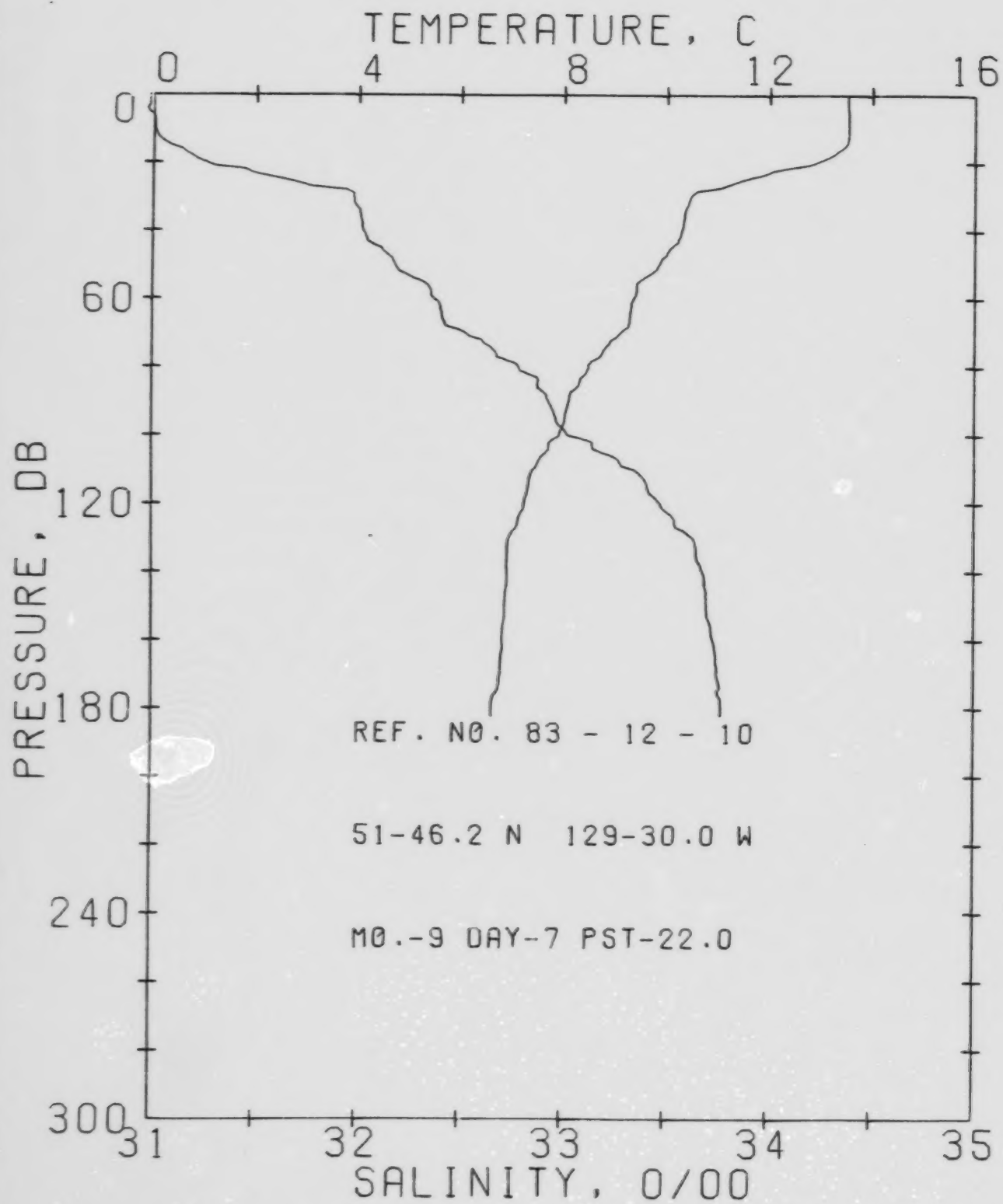
21.3

STATION M 4

RESULTS OF STP CAST 55 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.87 | 30.56 | 0     | 22.82      | 504.8 | .00        | .00        | 1498. |
| 10    | 13.68 | 30.83 | 10    | 23.06      | 481.5 | .49        | .02        | 1498. |
| 20    | 13.40 | 30.96 | 20    | 23.22      | 466.9 | .97        | .10        | 1498. |
| 30    | 11.68 | 31.54 | 30    | 23.99      | 393.6 | 1.40       | .21        | 1492. |
| 50    | 10.85 | 31.77 | 50    | 24.31      | 363.1 | 2.15       | .51        | 1490. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 10

DATE 7/ 9/83

POSITION 51-46.2N, 129-30.0W

22.0

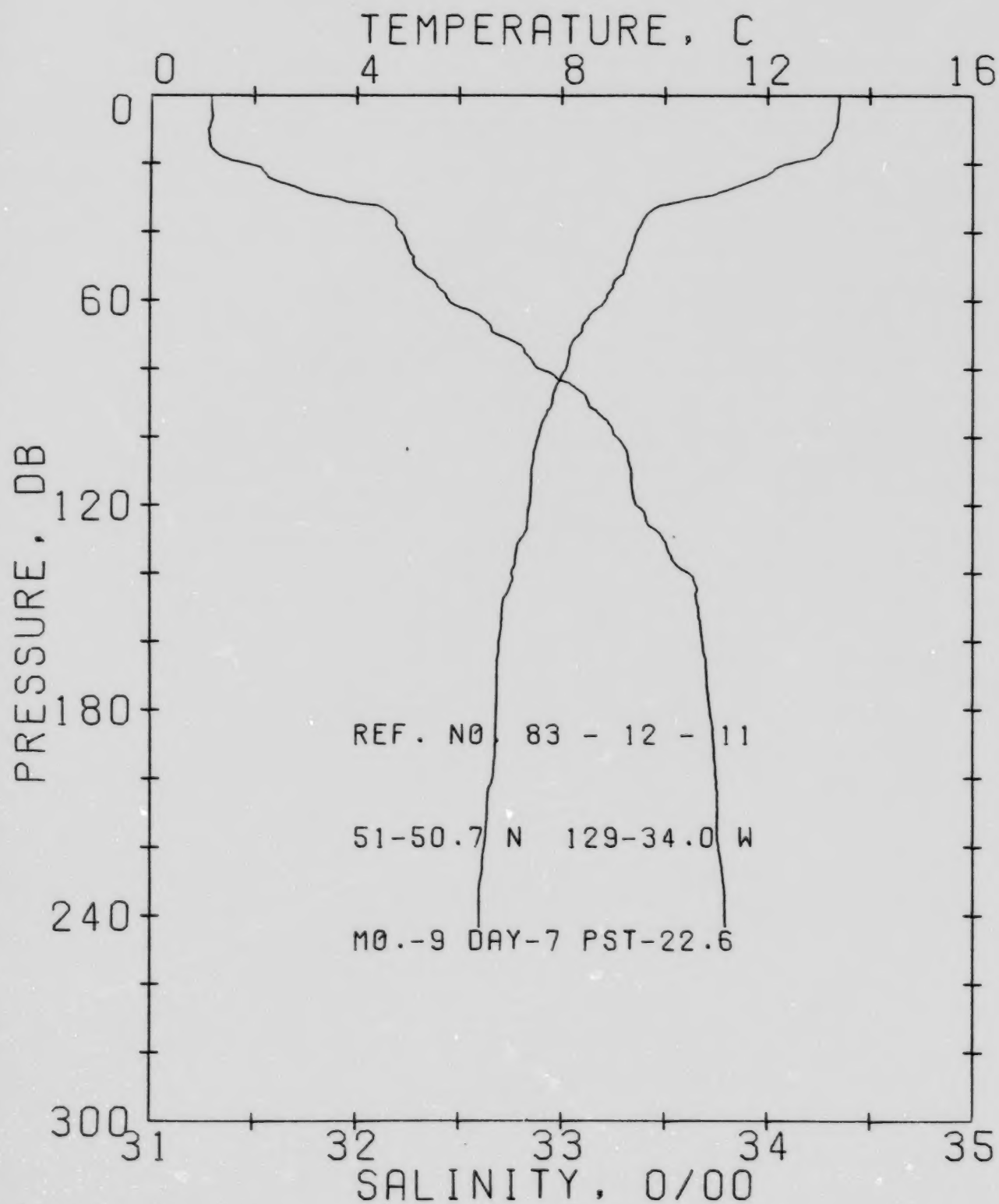
STATION M 6

RESULTS OF STP CAST 183 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.52 | 30.98 | 0     | 23.21      | 467.4 | .00        | .00        | 1498. |
| 10    | 13.55 | 31.01 | 10    | 23.22      | 466.3 | .47        | .02        | 1498. |
| 20    | 12.87 | 31.26 | 20    | 23.55      | 435.2 | .92        | .09        | 1496. |
| 30    | 10.46 | 31.98 | 30    | 24.54      | 340.9 | 1.30       | .19        | 1489. |
| 50    | 9.86  | 32.18 | 50    | 24.80      | 316.5 | 1.97       | .46        | 1487. |
| 75    | 8.79  | 32.66 | 75    | 25.35      | 264.9 | 2.70       | .92        | 1484. |
| 100   | 7.93  | 33.02 | 99    | 25.76      | 226.3 | 3.30       | 1.46       | 1482. |
| 125   | 7.13  | 33.55 | 124   | 26.28      | 176.8 | 3.79       | 2.02       | 1480. |
| 150   | 6.88  | 33.70 | 149   | 26.43      | 162.5 | 4.21       | 2.60       | 1479. |
| 175   | 6.73  | 33.75 | 174   | 26.49      | 157.3 | 4.60       | 3.26       | 1479. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 11

DATE 7/ 9/83

POSITION 51-50.7N, 129-34.0W

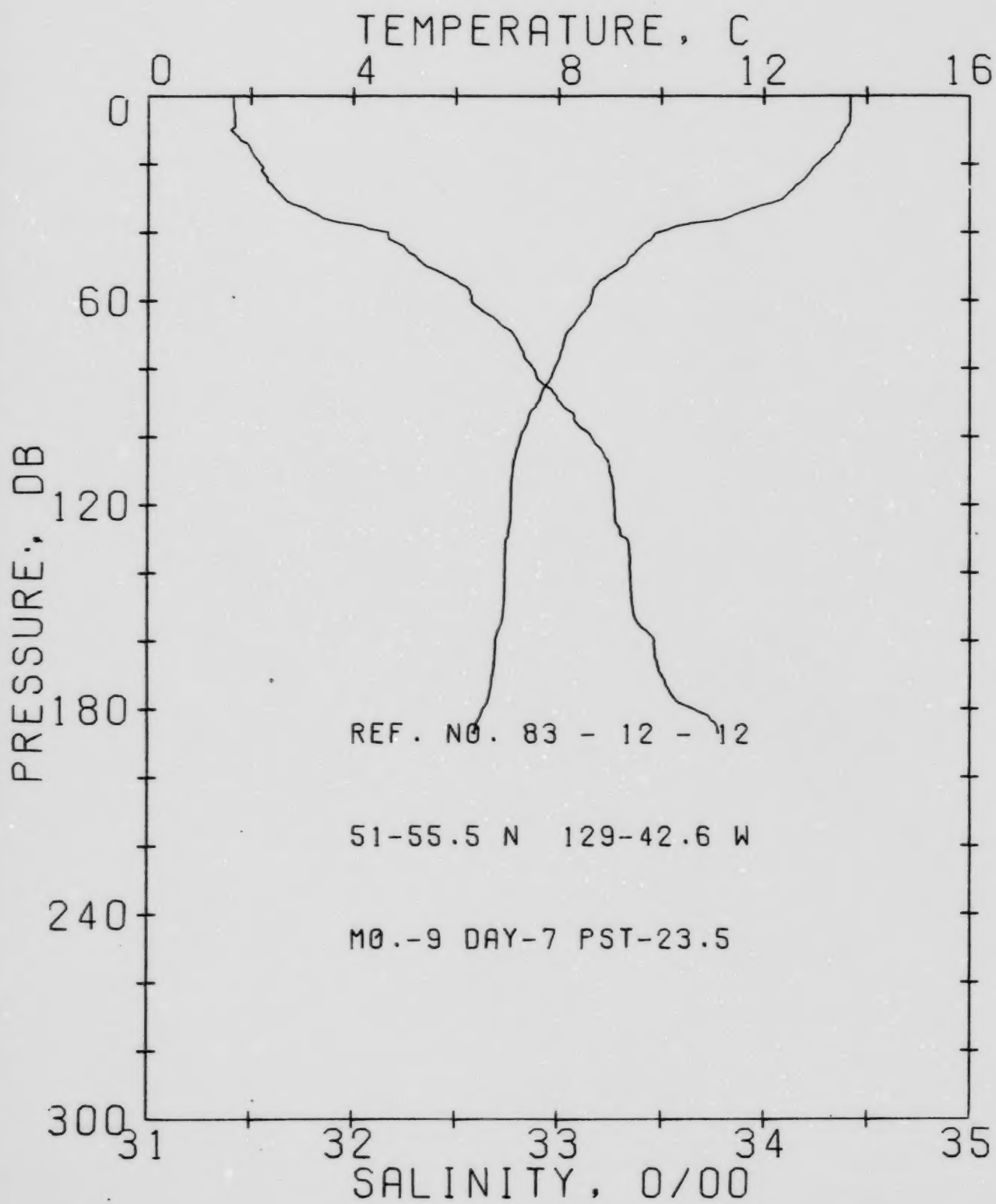
22.6

STATION M 8

RESULTS OF STP CAST 244 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.40 | 31.29 | 0     | 23.47      | 442.3 | .00        | .00        | 1498. |
| 10    | 13.32 | 31.28 | 10    | 23.47      | 442.3 | .44        | .02        | 1497. |
| 20    | 12.34 | 31.48 | 20    | 23.82      | 409.7 | .88        | .09        | 1495. |
| 30    | 10.53 | 31.91 | 30    | 24.48      | 346.9 | 1.26       | .19        | 1489. |
| 50    | 9.24  | 32.29 | 50    | 24.98      | 299.2 | 1.88       | .44        | 1485. |
| 75    | 8.15  | 32.82 | 75    | 25.57      | 244.1 | 2.56       | .87        | 1482. |
| 100   | 7.54  | 33.27 | 99    | 26.01      | 202.6 | 3.11       | 1.36       | 1481. |
| 125   | 7.34  | 33.41 | 124   | 26.15      | 189.5 | 3.60       | 1.92       | 1480. |
| 150   | 6.84  | 33.66 | 149   | 26.41      | 164.7 | 4.04       | 2.53       | 1479. |
| 175   | 6.75  | 33.71 | 174   | 26.46      | 160.3 | 4.45       | 3.20       | 1479. |
| 200   | 6.67  | 33.75 | 199   | 26.50      | 156.8 | 4.84       | 3.96       | 1479. |
| 225   | 6.47  | 33.78 | 223   | 26.55      | 152.4 | 5.23       | 4.80       | 1479. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 12

DATE 7/ 9/83

POSITION 51-55.5N, 129-42.6W

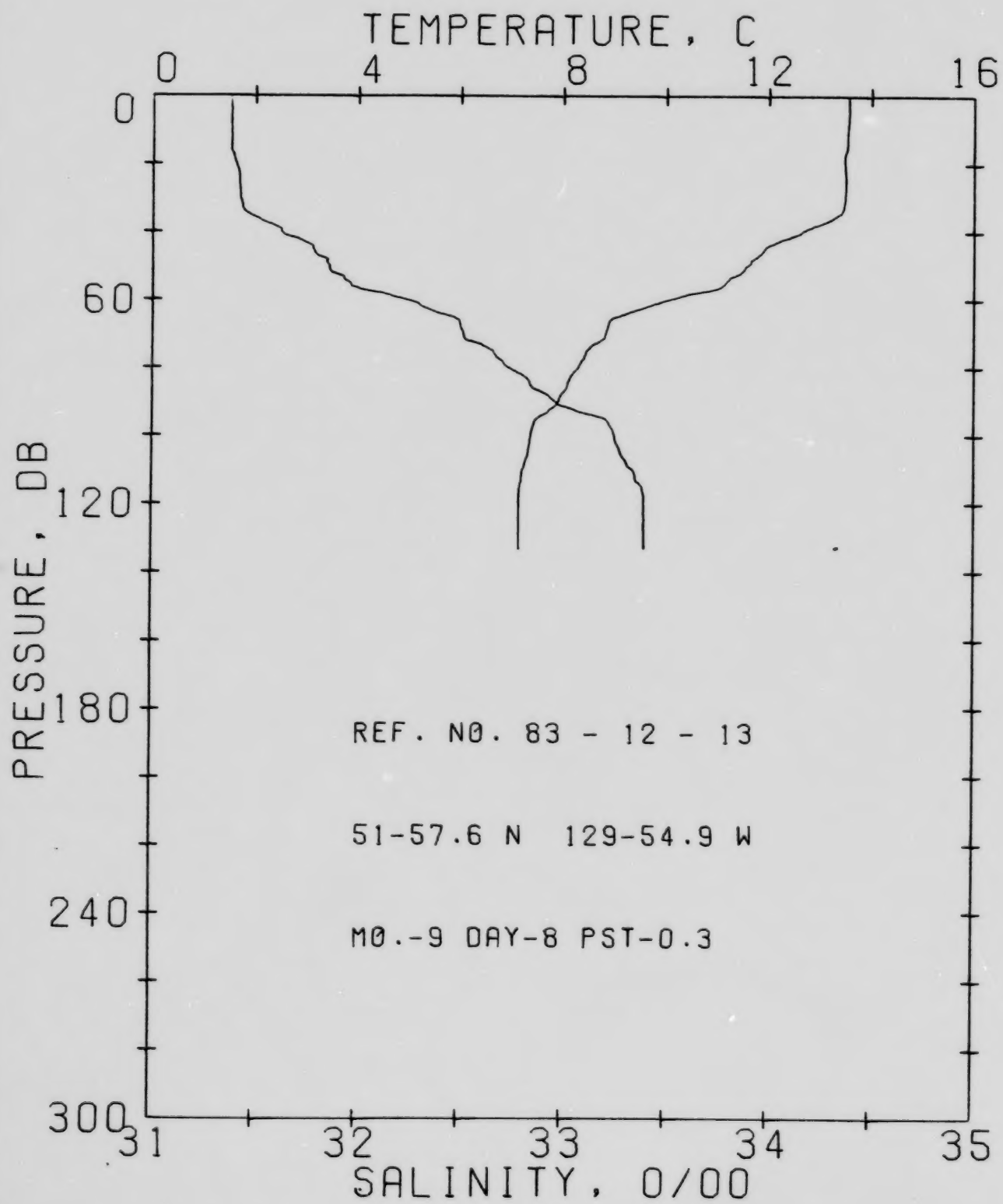
23.5

STATION M10

RESULTS OF STP CAST 188 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.68 | 31.42 | 0     | 23.51      | 438.6 | .00        | .00        | 1499. |
| 10    | 13.58 | 31.40 | 10    | 23.52      | 438.0 | .44        | .02        | 1498. |
| 20    | 13.02 | 31.55 | 20    | 23.74      | 416.9 | .87        | .09        | 1497. |
| 30    | 12.37 | 31.66 | 30    | 23.96      | 396.8 | 1.27       | .19        | 1495. |
| 50    | 9.24  | 32.36 | 50    | 25.04      | 294.1 | 1.94       | .46        | 1485. |
| 75    | 8.05  | 32.83 | 75    | 25.59      | 241.8 | 2.60       | .88        | 1482. |
| 100   | 7.26  | 33.16 | 99    | 25.96      | 206.9 | 3.16       | 1.38       | 1479. |
| 125   | 7.07  | 33.28 | 124   | 26.08      | 196.1 | 3.66       | 1.95       | 1479. |
| 150   | 6.94  | 33.36 | 149   | 26.16      | 188.5 | 4.14       | 2.61       | 1479. |
| 175   | 6.67  | 33.54 | 174   | 26.34      | 171.8 | 4.59       | 3.36       | 1479. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 13

DATE 8/ 9/83

POSITION 51-57.6N, 129-54.9W

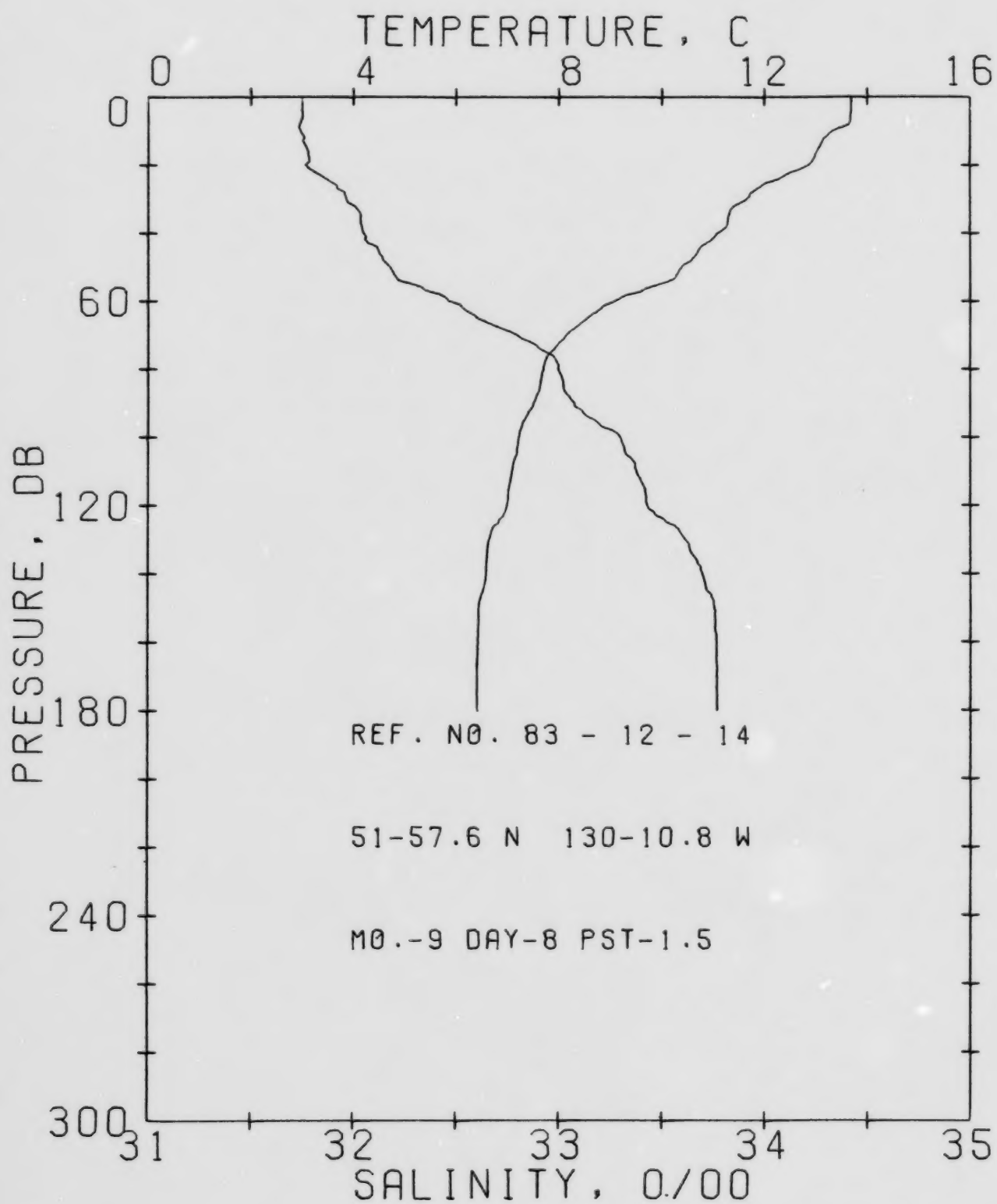
.3

STATION M12

RESULTS OF STP CAST 134 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.56 | 31.38 | 0     | 23.51      | 438.7 | .00        | .00        | 1498. |
| 10    | 13.54 | 31.38 | 10    | 23.51      | 438.5 | .44        | .02        | 1498. |
| 20    | 13.48 | 31.41 | 20    | 23.54      | 435.9 | .88        | .09        | 1498. |
| 30    | 13.49 | 31.42 | 30    | 23.56      | 435.0 | 1.31       | .20        | 1499. |
| 50    | 11.56 | 31.86 | 50    | 24.26      | 368.2 | 2.12       | .53        | 1493. |
| 75    | 8.46  | 32.66 | 75    | 25.40      | 260.2 | 2.89       | 1.01       | 1483. |
| 100   | 7.38  | 33.25 | 99    | 26.01      | 201.7 | 3.47       | 1.53       | 1480. |
| 125   | 7.15  | 33.40 | 124   | 26.16      | 188.3 | 3.95       | 2.08       | 1480. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 14

DATE 8/ 9/83

POSITION 51-57.6N, 130-10.8W

1.5

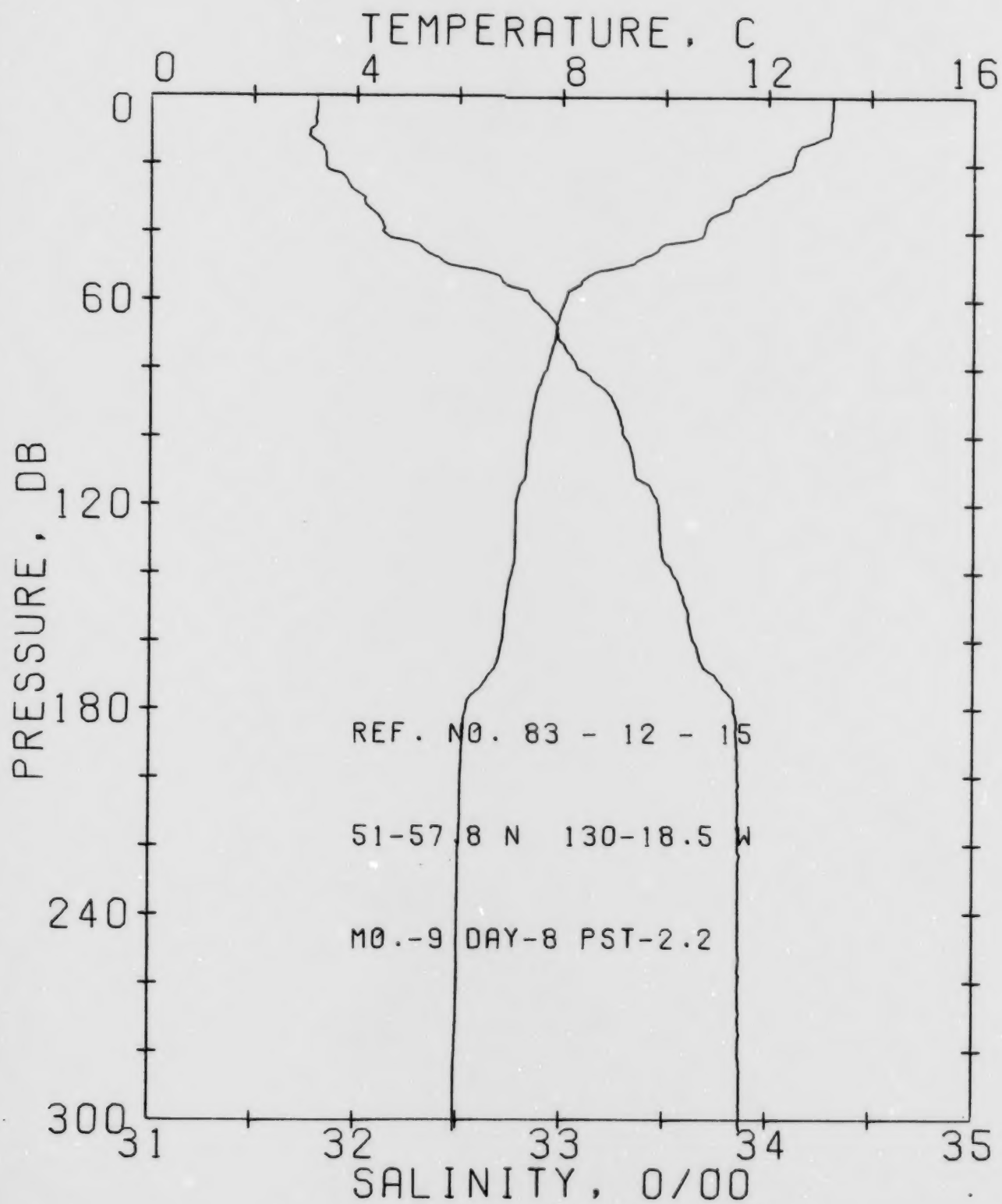
STATION M14

RESULTS OF STP CAST 181 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.70 | 31.75 | 0     | 23.77      | 414.3 | .00        | .00        | 1499. |
| 10    | 13.31 | 31.74 | 10    | 23.84      | 407.9 | .41        | .02        | 1498. |
| 20    | 12.85 | 31.76 | 20    | 23.94      | 397.9 | .82        | .08        | 1497. |
| 30    | 11.65 | 31.97 | 30    | 24.32      | 361.7 | 1.19       | .18        | 1493. |
| 50    | 10.39 | 32.18 | 50    | 24.71      | 325.0 | 1.88       | .46        | 1489. |
| 75    | 7.84  | 32.94 | 75    | 25.70      | 230.8 | 2.57       | .89        | 1481. |
| 100   | 7.21  | 33.30 | 99    | 26.07      | 196.0 | 3.11       | 1.37       | 1479. |
| 125   | 6.82  | 33.53 | 124   | 26.31      | 174.2 | 3.58       | 1.91       | 1478. |
| 150   | 6.44  | 33.76 | 149   | 26.54      | 152.7 | 3.98       | 2.47       | 1478. |
| 175   | 6.40  | 33.77 | 174   | 26.55      | 151.6 | 4.36       | 3.10       | 1478. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 15

DATE 8/ 9/83

POSITION 51-57.8N, 130-18.5W

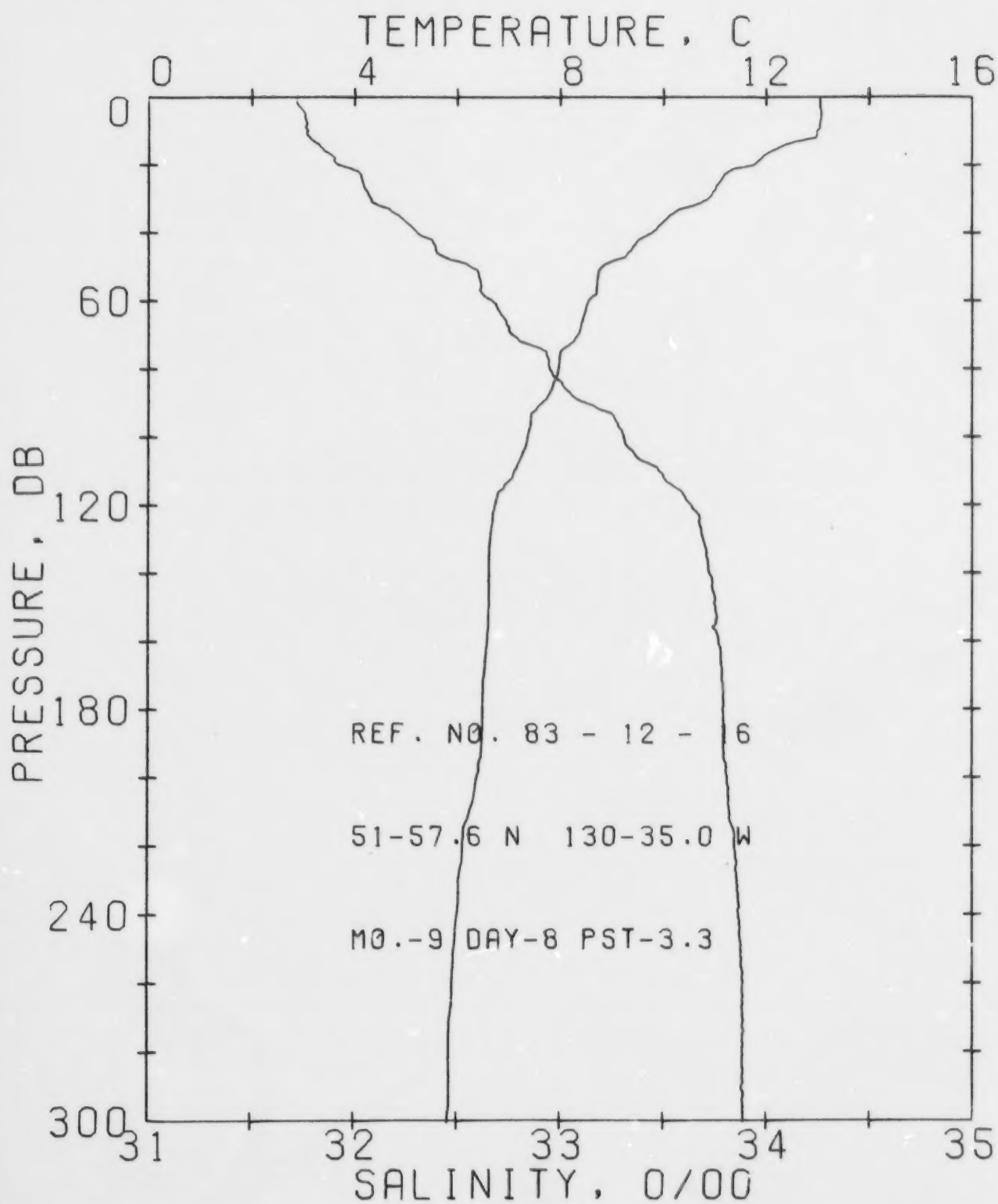
2.2

STATION M15

RESULTS OF STP CAST 304 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.26 | 31.81 | 0     | 23.90      | 401.6 | .00        | .00        | 1498. |
| 10    | 13.21 | 31.77 | 10    | 23.88      | 403.9 | .40        | .02        | 1498. |
| 20    | 12.49 | 31.85 | 20    | 24.08      | 384.8 | .79        | .08        | 1496. |
| 30    | 11.31 | 32.04 | 30    | 24.45      | 350.1 | 1.16       | .17        | 1492. |
| 50    | 9.11  | 32.46 | 50    | 25.14      | 284.2 | 1.81       | .44        | 1485. |
| 75    | 7.80  | 33.03 | 75    | 25.78      | 223.8 | 2.41       | .82        | 1481. |
| 100   | 7.39  | 33.31 | 99    | 26.06      | 197.7 | 2.93       | 1.28       | 1480. |
| 125   | 7.12  | 33.47 | 124   | 26.22      | 182.0 | 3.40       | 1.82       | 1480. |
| 150   | 6.92  | 33.61 | 149   | 26.35      | 170.1 | 3.85       | 2.44       | 1479. |
| 175   | 6.32  | 33.81 | 174   | 26.59      | 147.9 | 4.25       | 3.11       | 1478. |
| 200   | 6.05  | 33.86 | 199   | 26.67      | 140.9 | 4.61       | 3.79       | 1477. |
| 225   | 6.01  | 33.86 | 223   | 26.67      | 140.4 | 4.96       | 4.55       | 1477. |
| 250   | 6.00  | 33.86 | 248   | 26.68      | 140.3 | 5.31       | 5.40       | 1478. |
| 300   | 5.94  | 33.87 | 298   | 26.69      | 139.6 | 6.01       | 7.37       | 1478. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 16

DATE 8/ 9/83

POSITION 51-57.6N, 130-35.0W

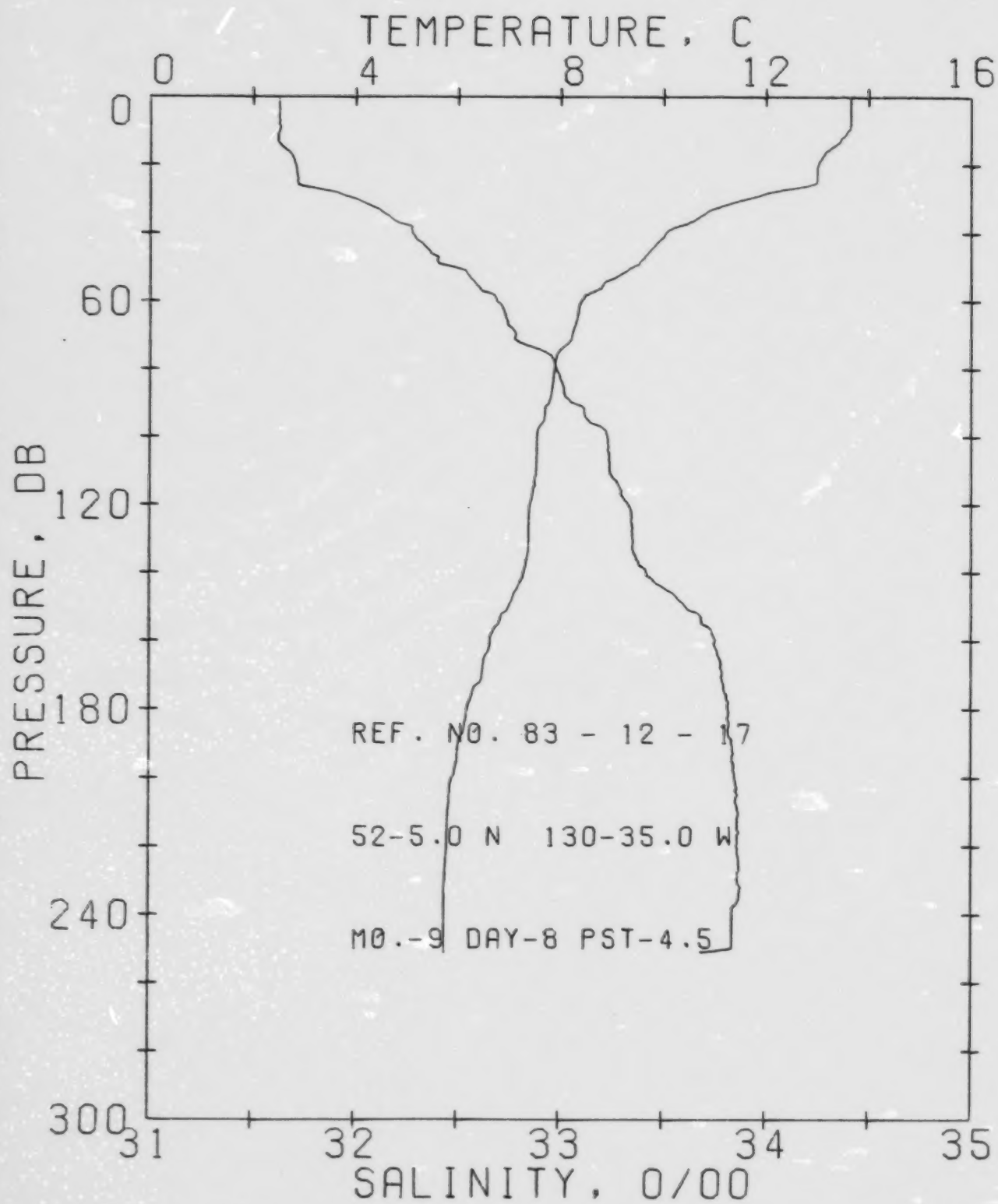
3.3

STATION M16

RESULTS OF STP CAST 372 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.06 | 31.72 | 0     | 23.87      | 404.4 | .00        | .00        | 1497. |
| 10    | 13.00 | 31.77 | 10    | 23.92      | 399.5 | .40        | .02        | 1497. |
| 20    | 11.78 | 31.92 | 20    | 24.26      | 367.1 | .79        | .08        | 1493. |
| 30    | 10.89 | 32.08 | 30    | 24.55      | 340.1 | 1.13       | .17        | 1490. |
| 50    | 8.83  | 32.57 | 50    | 25.27      | 272.2 | 1.74       | .41        | 1484. |
| 75    | 8.02  | 32.94 | 75    | 25.68      | 233.4 | 2.39       | .82        | 1482. |
| 100   | 7.39  | 33.31 | 99    | 26.06      | 197.3 | 2.93       | 1.31       | 1480. |
| 125   | 6.71  | 33.67 | 124   | 26.44      | 161.8 | 3.38       | 1.81       | 1478. |
| 150   | 6.63  | 33.76 | 149   | 26.51      | 155.0 | 3.77       | 2.37       | 1478. |
| 175   | 6.52  | 33.80 | 174   | 26.56      | 151.0 | 4.16       | 3.00       | 1478. |
| 200   | 6.39  | 33.81 | 199   | 26.59      | 148.4 | 4.53       | 3.72       | 1478. |
| 225   | 6.11  | 33.86 | 223   | 26.66      | 141.6 | 4.89       | 4.50       | 1478. |
| 250   | 5.95  | 33.88 | 248   | 26.69      | 138.9 | 5.25       | 5.35       | 1477. |
| 300   | 5.82  | 33.89 | 298   | 26.72      | 137.0 | 5.93       | 7.28       | 1478. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 17

DATE 8/ 9/83

POSITION 52- 5.0N, 130-35.0W

4.5

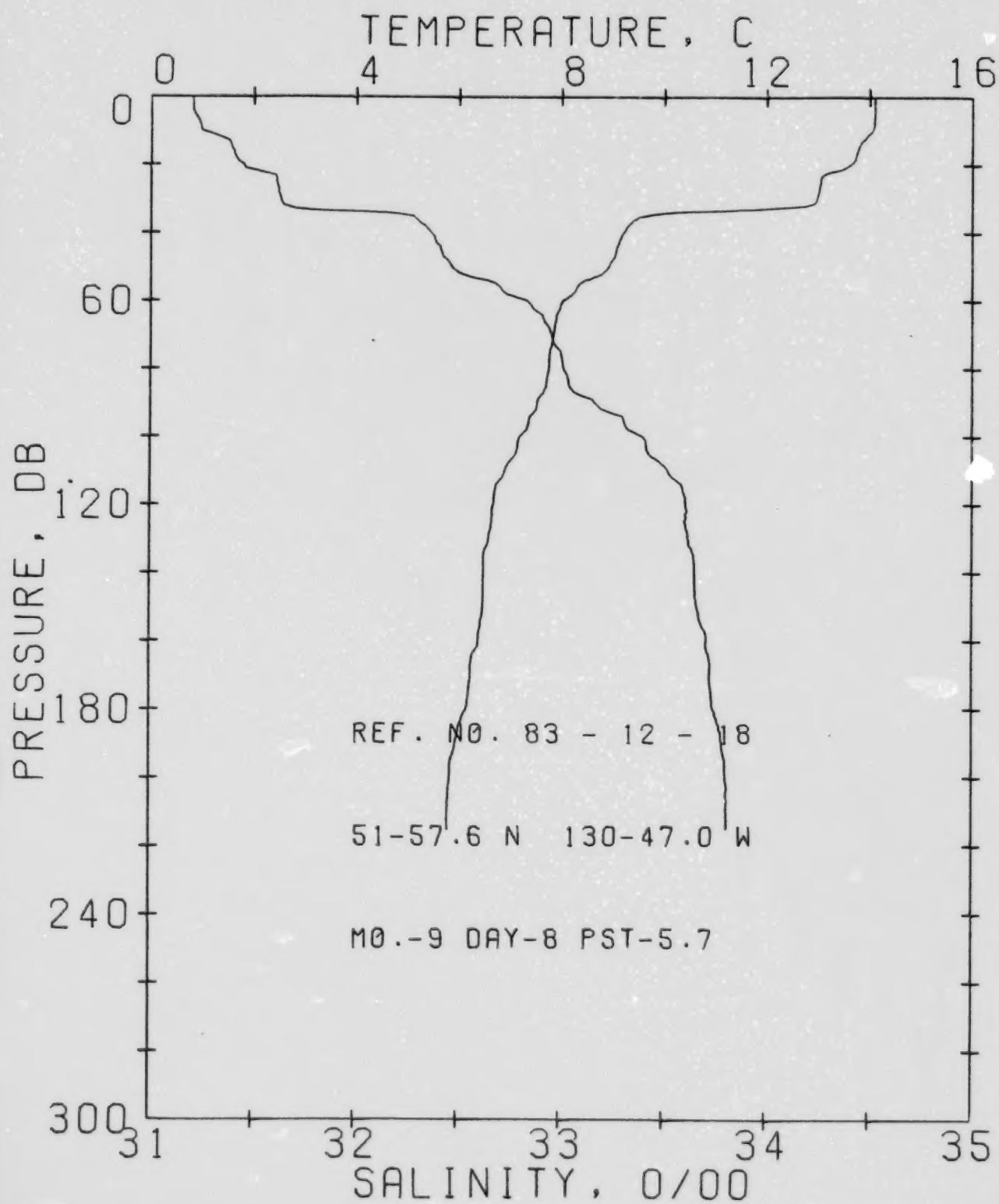
STATION BUOY

RESULTS OF STP CAST 252 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.66 | 31.63 | 0     | 23.68      | 422.5 | .00        | .00        | 1499. |
| 10    | 13.61 | 31.63 | 10    | 23.69      | 421.8 | .42        | .02        | 1499. |
| 20    | 13.02 | 31.71 | 20    | 23.87      | 404.9 | .84        | .08        | 1497. |
| 30    | 11.56 | 32.01 | 30    | 24.37      | 357.0 | 1.23       | .18        | 1493. |
| 50    | 9.38  | 32.48 | 50    | 25.11      | 286.6 | 1.86       | .44        | 1486. |
| 75    | 7.96  | 32.93 | 75    | 25.68      | 233.1 | 2.51       | .85        | 1481. |
| 100   | 7.55  | 33.23 | 99    | 25.97      | 205.8 | 3.06       | 1.34       | 1480. |
| 125   | 7.40  | 33.35 | 124   | 26.08      | 195.4 | 3.56       | 1.92       | 1480. |
| 150   | 7.01  | 33.61 | 149   | 26.35      | 170.8 | 4.03       | 2.58       | 1480. |
| 175   | 6.31  | 33.80 | 174   | 26.59      | 148.0 | 4.42       | 3.22       | 1478. |
| 200   | 5.90  | 33.85 | 199   | 26.68      | 139.5 | 4.78       | 3.90       | 1476. |
| 225   | 5.78  | 33.87 | 223   | 26.71      | 136.9 | 5.13       | 4.65       | 1476. |
| 250   | 5.75  | 33.84 | 248   | 26.69      | 139.4 | 5.47       | 5.49       | 1477. |

38



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 18

DATE 8/ 9/83

POSITION 51-57.6N, 130-47.0W

5.7

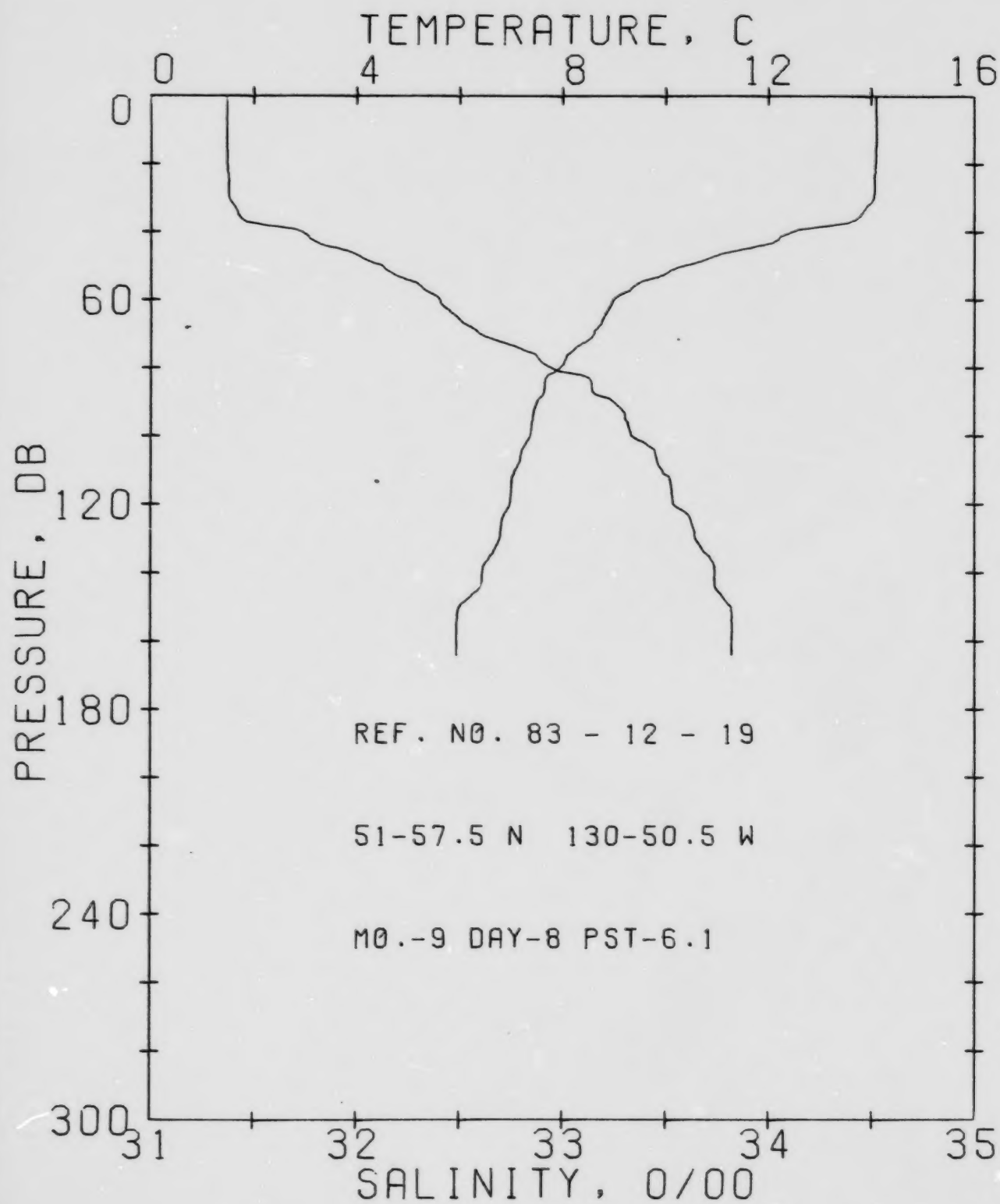
STATION M16A

RESULTS OF STP CAST 216 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.11 | 31.20 | 0     | 23.26      | 462.3 | .00        | .00        | 1500. |
| 10    | 14.06 | 31.25 | 10    | 23.30      | 458.6 | .46        | .02        | 1500. |
| 20    | 13.62 | 31.45 | 20    | 23.55      | 435.1 | .91        | .09        | 1499. |
| 30    | 12.98 | 31.63 | 30    | 23.81      | 410.3 | 1.32       | .20        | 1497. |
| 50    | 8.92  | 32.47 | 50    | 25.17      | 280.9 | 1.94       | .45        | 1484. |
| 75    | 7.77  | 33.00 | 75    | 25.76      | 225.7 | 2.55       | .83        | 1481. |
| 100   | 7.20  | 33.40 | 99    | 26.15      | 188.5 | 3.09       | 1.30       | 1479. |
| 125   | 6.66  | 33.60 | 124   | 26.38      | 166.9 | 3.52       | 1.80       | 1478. |
| 150   | 6.48  | 33.66 | 149   | 26.46      | 160.2 | 3.93       | 2.37       | 1478. |
| 175   | 6.21  | 33.73 | 174   | 26.55      | 151.8 | 4.32       | 3.01       | 1477. |
| 200   | 5.85  | 33.80 | 199   | 26.65      | 142.5 | 4.68       | 3.71       | 1476. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 19

DATE 8/ 9/83

POSITION 51-57.5N, 130-50.5W

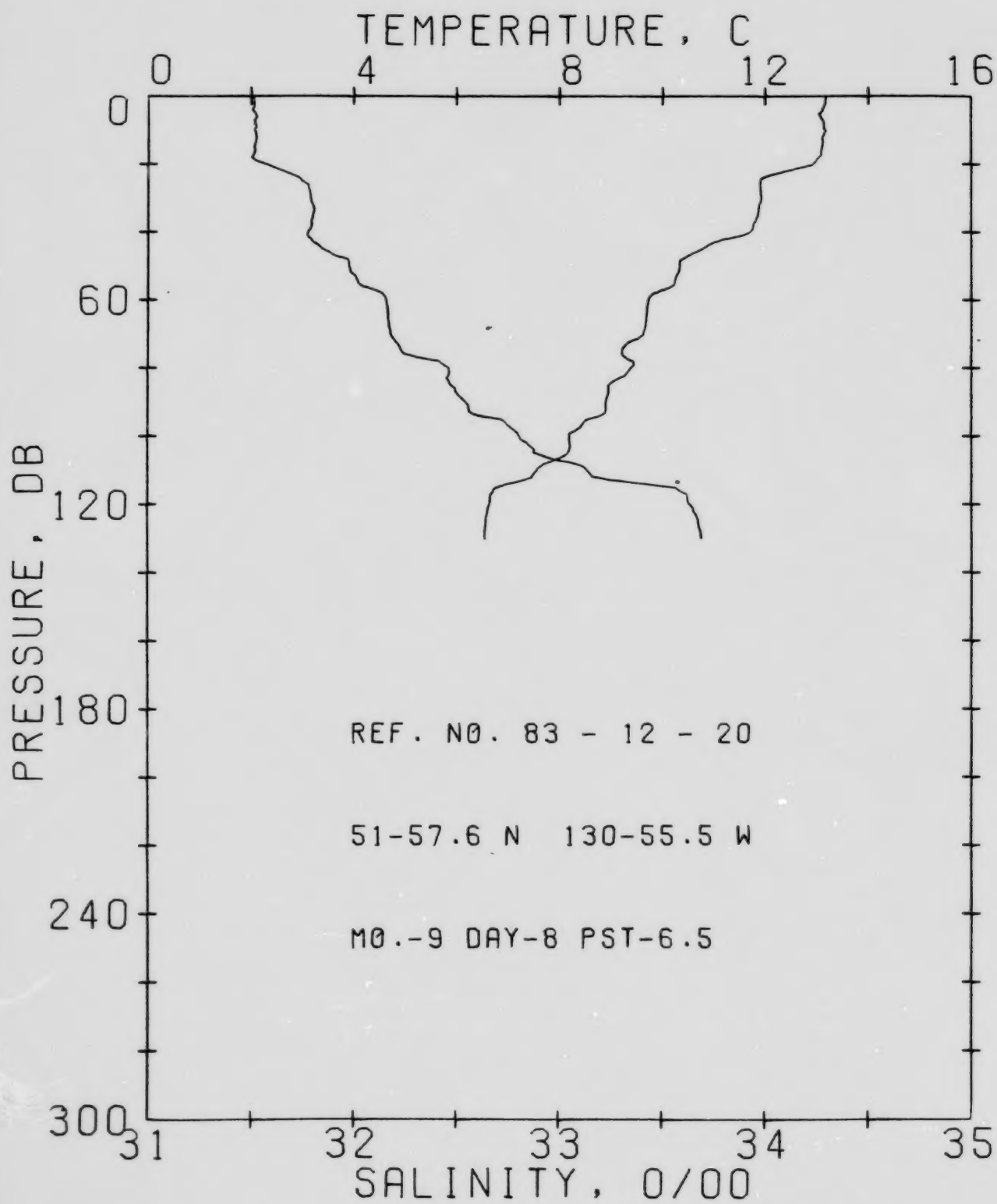
6.1

STATION M17

RESULTS OF STP CAST 165 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.10 | 31.37 | 0     | 23.39      | 449.9 | .00        | .00        | 1500. |
| 10    | 14.11 | 31.37 | 10    | 23.39      | 450.6 | .45        | .02        | 1500. |
| 20    | 14.09 | 31.37 | 20    | 23.39      | 450.3 | .90        | .09        | 1500. |
| 30    | 14.05 | 31.38 | 30    | 23.41      | 449.1 | 1.35       | .21        | 1500. |
| 50    | 10.28 | 32.13 | 50    | 24.69      | 327.0 | 2.15       | .53        | 1489. |
| 75    | 8.20  | 32.82 | 75    | 25.56      | 244.6 | 2.86       | .98        | 1482. |
| 100   | 7.38  | 33.33 | 99    | 26.08      | 195.6 | 3.39       | 1.45       | 1480. |
| 125   | 6.82  | 33.63 | 124   | 26.38      | 166.8 | 3.84       | 1.96       | 1479. |
| 150   | 5.98  | 33.82 | 149   | 26.65      | 142.0 | 4.23       | 2.51       | 1476. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 20

DATE 8/ 9/83

POSITION 51-57.6N, 130-55.5W

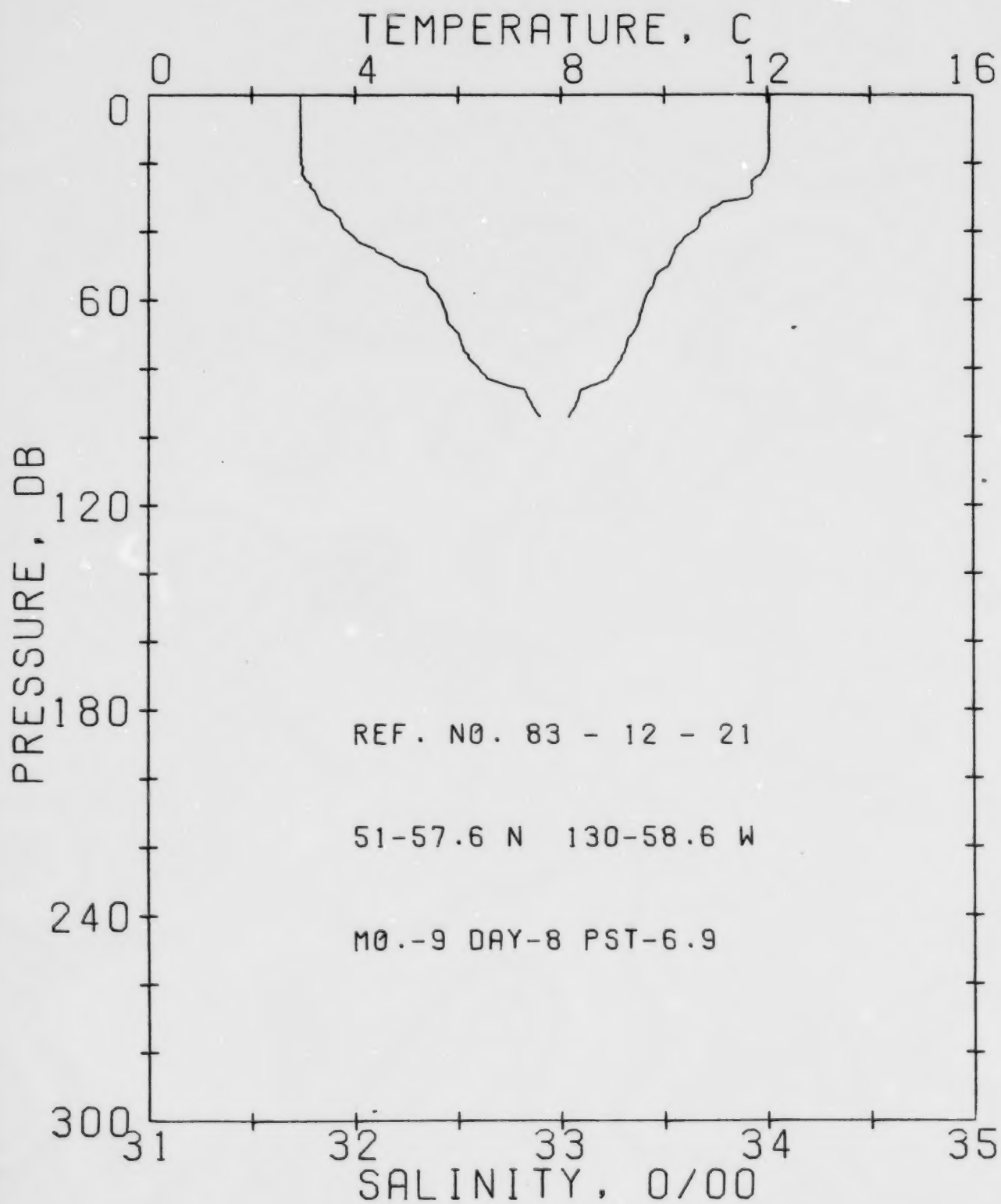
6.5

STATION M18

RESULTS OF STP CAST 131 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.18 | 31.52 | 0     | 23.69      | 421.8 | .00        | .00        | 1497. |
| 10    | 13.19 | 31.52 | 10    | 23.69      | 422.1 | .42        | .02        | 1497. |
| 20    | 12.94 | 31.58 | 20    | 23.78      | 413.3 | .84        | .09        | 1497. |
| 30    | 11.93 | 31.79 | 30    | 24.14      | 379.6 | 1.23       | .18        | 1494. |
| 50    | 10.34 | 31.98 | 50    | 24.56      | 339.2 | 1.96       | .48        | 1489. |
| 75    | 9.20  | 32.23 | 75    | 24.95      | 303.0 | 2.76       | .99        | 1485. |
| 100   | 8.17  | 32.80 | 99    | 25.55      | 246.0 | 3.45       | 1.60       | 1482. |
| 125   | 6.57  | 33.67 | 124   | 26.45      | 160.2 | 3.95       | 2.17       | 1478. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 21

DATE 8/ 9/83

POSITION 51-57.6N, 130-58.6W

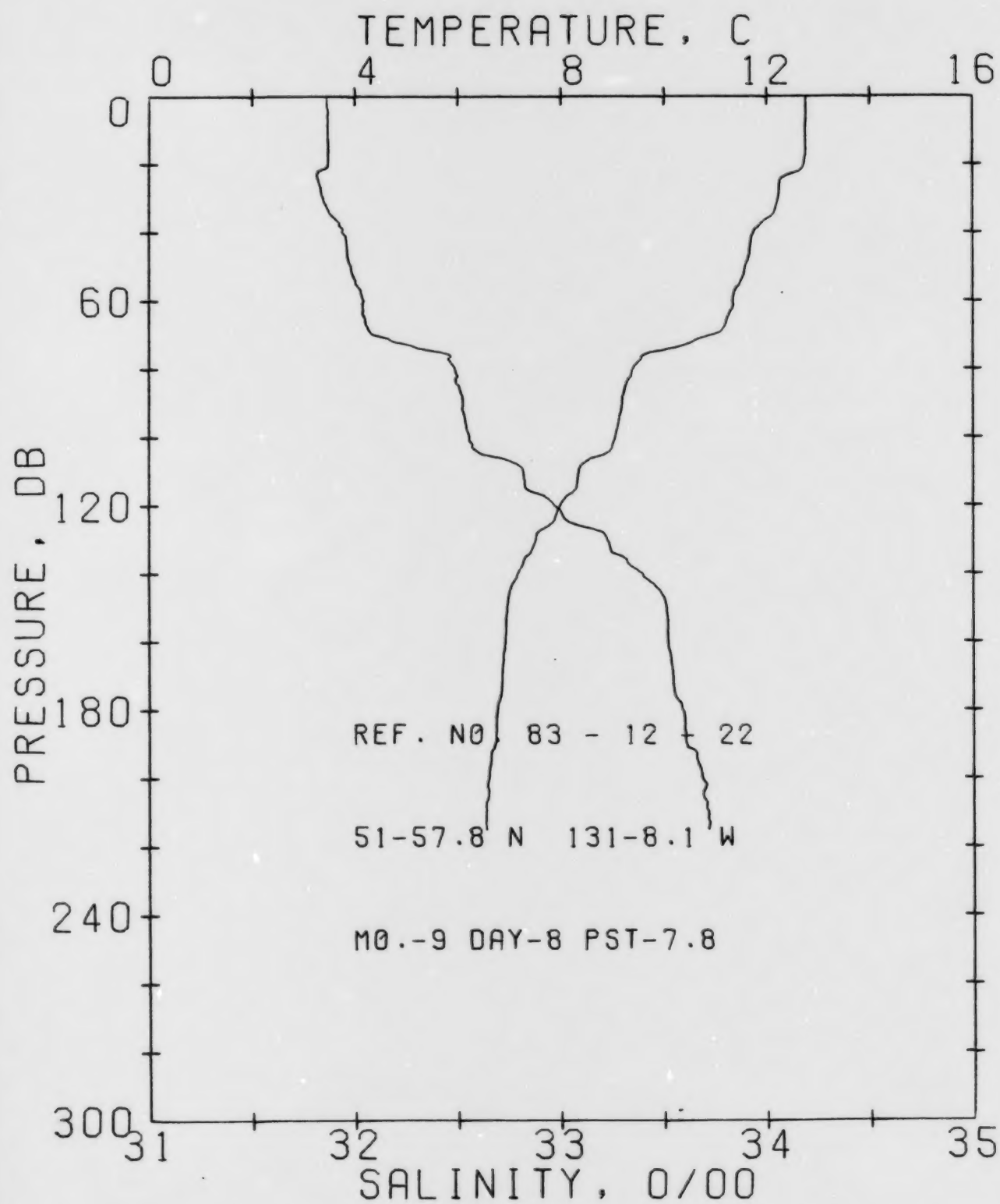
6.9

STATION M19

RESULTS OF STP CAST 95 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.05 | 31.74 | 0     | 24.07      | 384.9 | .00        | .00        | 1494. |
| 10    | 12.04 | 31.74 | 10    | 24.08      | 384.8 | .39        | .02        | 1494. |
| 20    | 12.01 | 31.73 | 20    | 24.08      | 384.9 | .77        | .08        | 1494. |
| 30    | 11.65 | 31.82 | 30    | 24.21      | 372.5 | 1.15       | .17        | 1493. |
| 50    | 10.10 | 32.23 | 50    | 24.80      | 316.8 | 1.83       | .45        | 1488. |
| 75    | 9.25  | 32.53 | 75    | 25.17      | 281.6 | 2.57       | .92        | 1486. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 22

DATE 8/ 9/83

POSITION 51-57.8N, 131- 8.1W

7.8

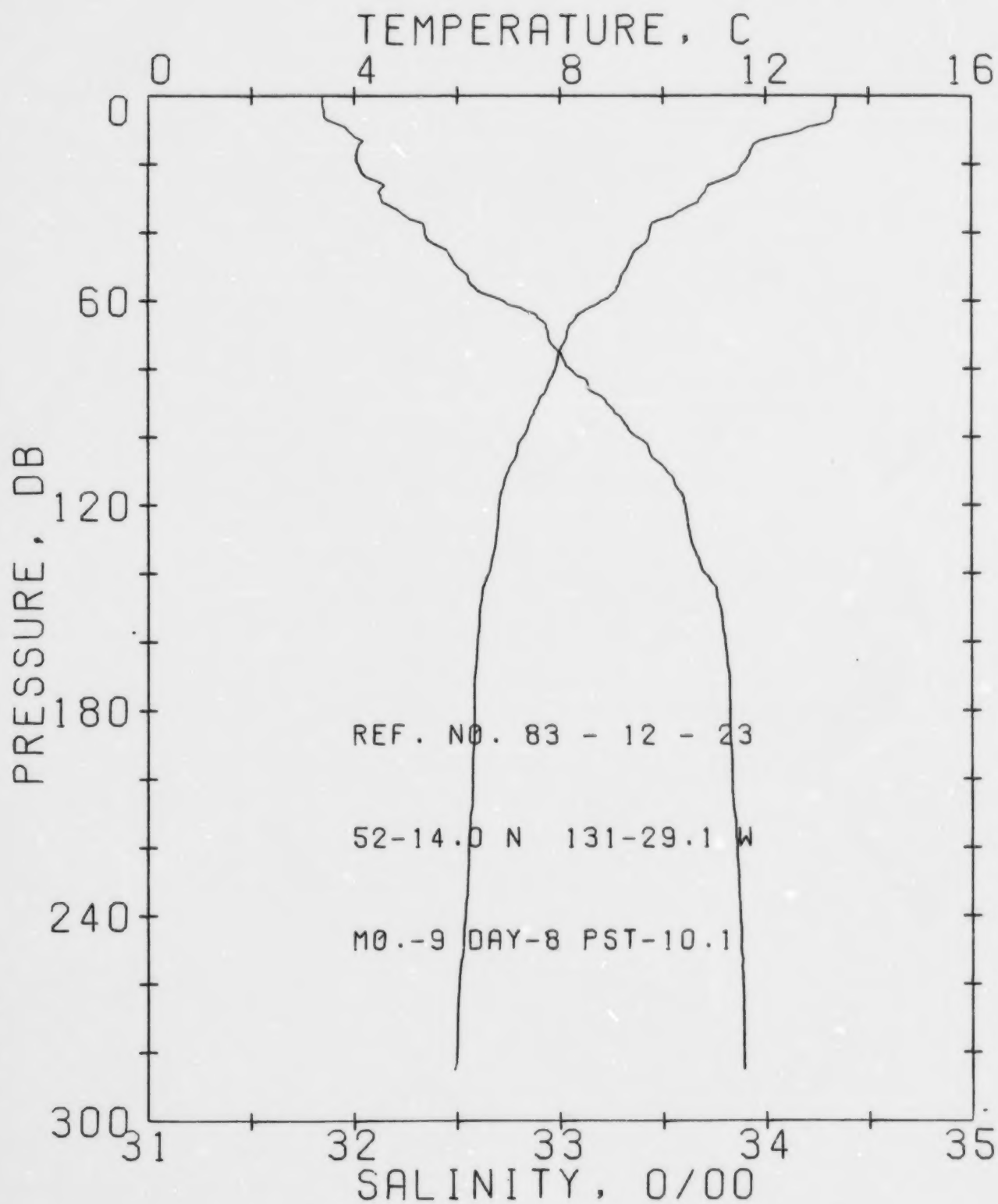
STATION A 1

RESULTS OF STP CAST 216 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.76 | 31.87 | 0     | 24.04      | 388.3 | .00        | .00        | 1496. |
| 10    | 12.76 | 31.87 | 10    | 24.04      | 388.2 | .39        | .02        | 1496. |
| 20    | 12.73 | 31.87 | 20    | 24.05      | 387.9 | .78        | .08        | 1496. |
| 30    | 12.22 | 31.85 | 30    | 24.13      | 380.6 | 1.16       | .18        | 1495. |
| 50    | 11.58 | 31.98 | 50    | 24.35      | 359.6 | 1.90       | .48        | 1493. |
| 75    | 9.71  | 32.42 | 75    | 25.01      | 296.6 | 2.76       | 1.03       | 1487. |
| 100   | 9.05  | 32.56 | 99    | 25.22      | 277.0 | 3.47       | 1.66       | 1485. |
| 125   | 7.83  | 33.04 | 124   | 25.78      | 224.0 | 4.09       | 2.36       | 1482. |
| 150   | 6.95  | 33.51 | 149   | 26.28      | 177.6 | 4.58       | 3.04       | 1479. |
| 175   | 6.83  | 33.55 | 174   | 26.32      | 173.4 | 5.02       | 3.77       | 1479. |
| 200   | 6.60  | 33.68 | 199   | 26.46      | 161.0 | 5.43       | 4.57       | 1479. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 23

DATE 8/ 9/83

POSITION 52-14.UN, 131-29.1W

10.1

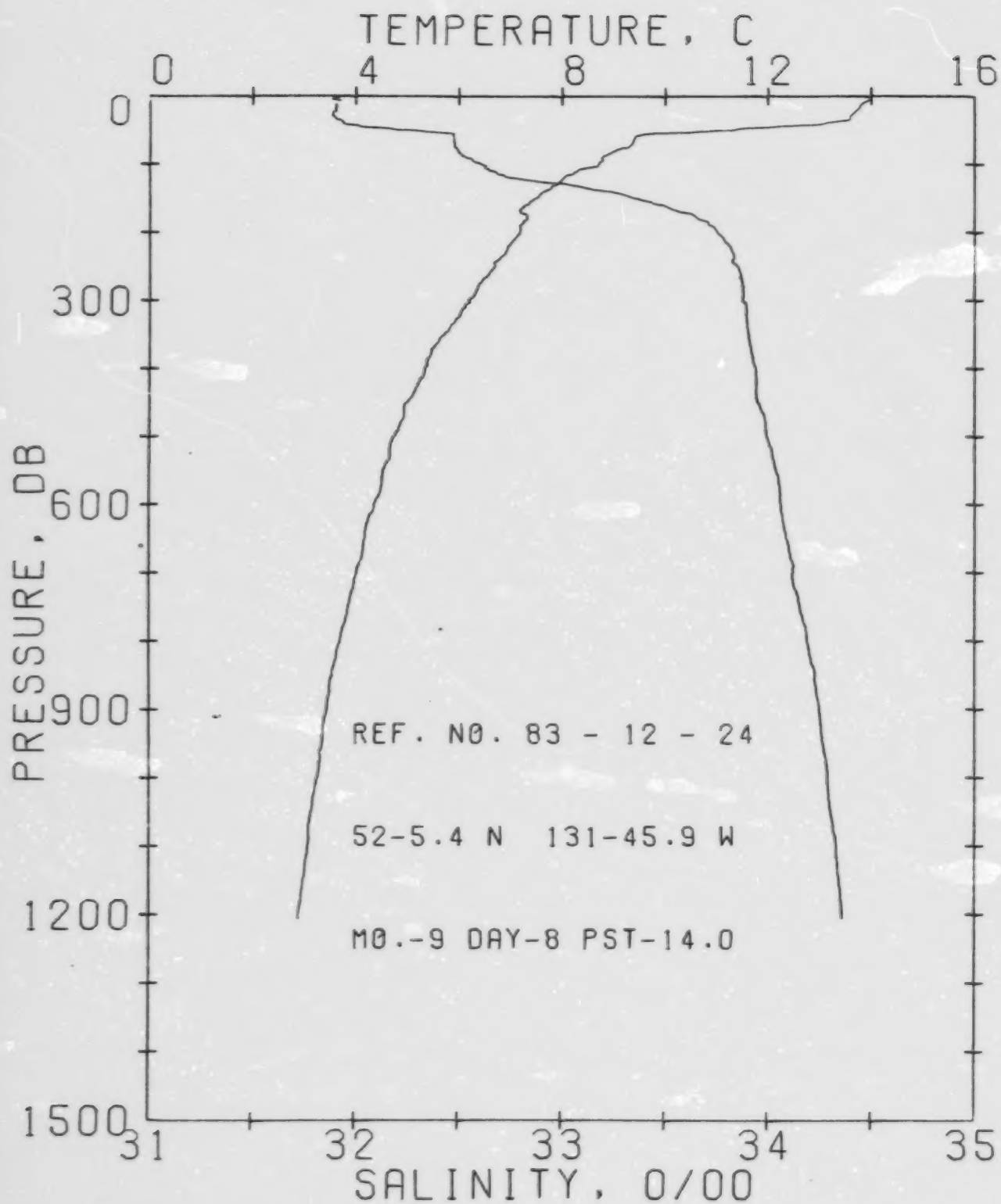
STATION B 1

RESULTS OF STP CAST 286 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.37 | 31.85 | 0     | 23.90      | 401.1 | .00        | .00        | 1498. |
| 10    | 12.72 | 31.97 | 10    | 24.13      | 379.8 | .40        | .02        | 1496. |
| 20    | 11.55 | 32.02 | 20    | 24.39      | 355.5 | .76        | .08        | 1492. |
| 30    | 10.72 | 32.13 | 30    | 24.62      | 333.6 | 1.10       | .16        | 1490. |
| 50    | 9.32  | 32.51 | 50    | 25.14      | 284.1 | 1.71       | .41        | 1485. |
| 75    | 7.99  | 33.01 | 75    | 25.73      | 228.0 | 2.35       | .81        | 1481. |
| 100   | 7.30  | 33.38 | 99    | 26.12      | 191.3 | 2.87       | 1.28       | 1480. |
| 125   | 6.80  | 33.62 | 124   | 26.38      | 167.1 | 3.31       | 1.78       | 1478. |
| 150   | 6.45  | 33.78 | 149   | 26.55      | 151.2 | 3.71       | 2.34       | 1478. |
| 175   | 6.34  | 33.82 | 174   | 26.60      | 147.0 | 4.08       | 2.95       | 1478. |
| 200   | 6.30  | 33.83 | 199   | 26.61      | 145.9 | 4.45       | 3.65       | 1478. |
| 225   | 6.22  | 33.86 | 223   | 26.65      | 143.0 | 4.81       | 4.44       | 1478. |
| 250   | 6.12  | 33.87 | 248   | 26.67      | 141.1 | 5.16       | 5.29       | 1478. |

50



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 24

DATE 8/ 9/83

POSITION 52- 5.4N, 131-45.9W

14.0

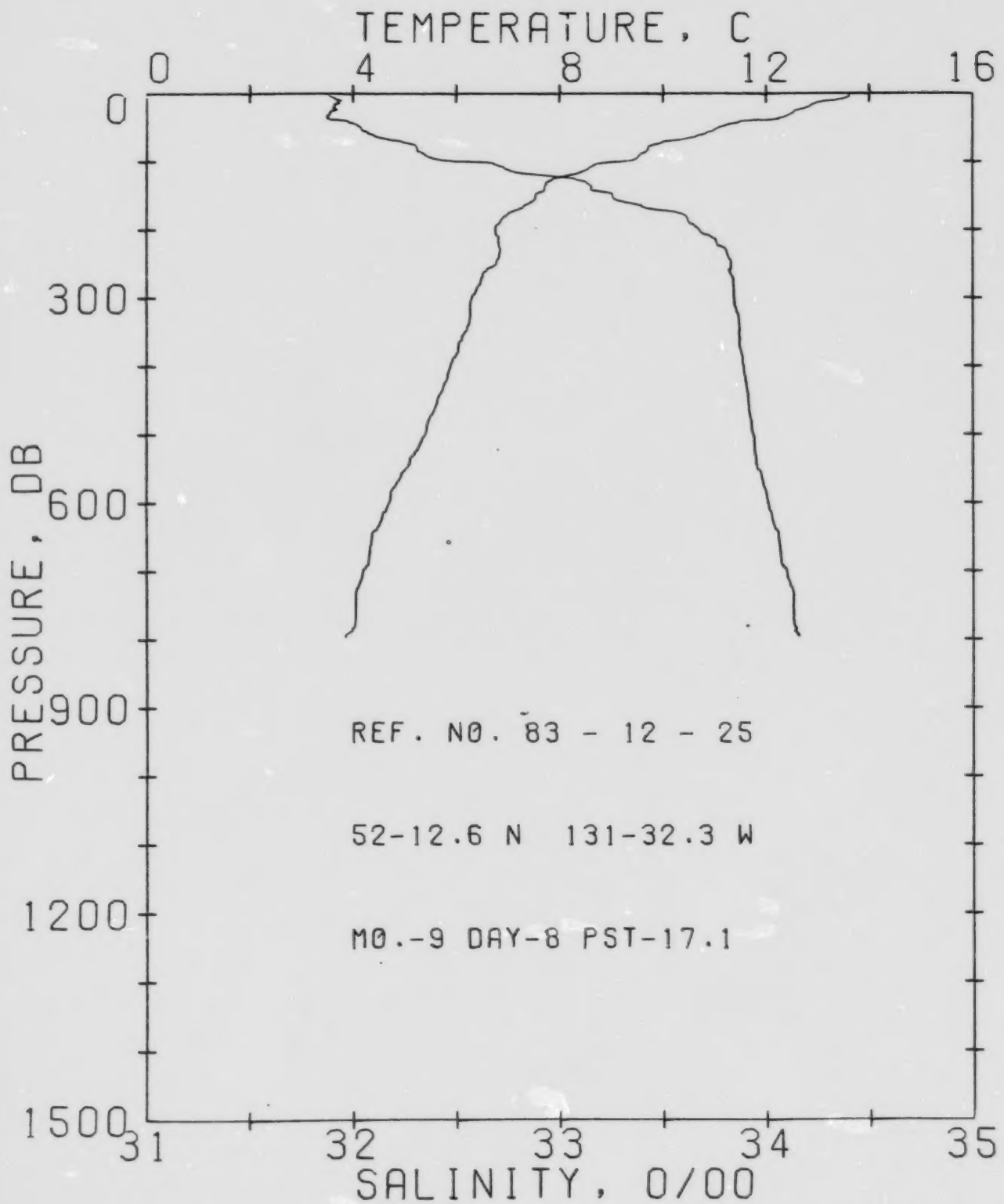
STATION B 3

RESULTS OF STP CAST 1206 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.01 | 31.92 | 0     | 23.83      | 407.8 | .00        | .00        | 1500. |
| 10    | 13.84 | 31.92 | 10    | 23.86      | 405.3 | .41        | .02        | 1500. |
| 20    | 13.73 | 31.90 | 20    | 23.87      | 404.4 | .81        | .08        | 1500. |
| 30    | 13.60 | 31.89 | 30    | 23.90      | 402.6 | 1.22       | .19        | 1499. |
| 50    | 11.02 | 32.30 | 50    | 24.69      | 326.9 | 1.98       | .49        | 1491. |
| 75    | 9.31  | 32.48 | 75    | 25.12      | 286.6 | 2.71       | .96        | 1486. |
| 100   | 8.71  | 32.61 | 99    | 25.32      | 268.0 | 3.40       | 1.57       | 1484. |
| 125   | 7.98  | 32.88 | 124   | 25.64      | 237.7 | 4.03       | 2.30       | 1482. |
| 150   | 7.48  | 33.37 | 149   | 26.09      | 194.9 | 4.57       | 3.04       | 1481. |
| 175   | 7.33  | 33.65 | 174   | 26.33      | 173.0 | 5.02       | 3.80       | 1481. |
| 200   | 7.20  | 33.76 | 199   | 26.44      | 163.2 | 5.44       | 4.60       | 1481. |
| 225   | 6.95  | 33.82 | 224   | 26.52      | 155.2 | 5.84       | 5.46       | 1481. |
| 250   | 6.71  | 33.86 | 248   | 26.58      | 149.9 | 6.22       | 6.38       | 1480. |
| 300   | 6.20  | 33.87 | 298   | 26.66      | 142.8 | 6.95       | 8.42       | 1479. |
| 400   | 5.35  | 33.94 | 397   | 26.82      | 128.5 | 8.30       | 13.23      | 1478. |
| 500   | 4.75  | 33.99 | 496   | 26.93      | 118.5 | 9.54       | 18.90      | 1477. |
| 600   | 4.37  | 34.06 | 595   | 27.02      | 109.9 | 10.68      | 25.27      | 1477. |
| 800   | 3.71  | 34.19 | 793   | 27.19      | 94.6  | 12.72      | 39.82      | 1478. |
| 1000  | 3.26  | 34.29 | 990   | 27.32      | 83.6  | 14.49      | 55.99      | 1479. |
| 1200  | 2.90  | 34.36 | 1188  | 27.41      | 75.6  | 16.08      | 73.80      | 1481. |

52



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 25

DATE 8/ 9/83

POSITION 52-12.6N, 131-32.3W

17.1

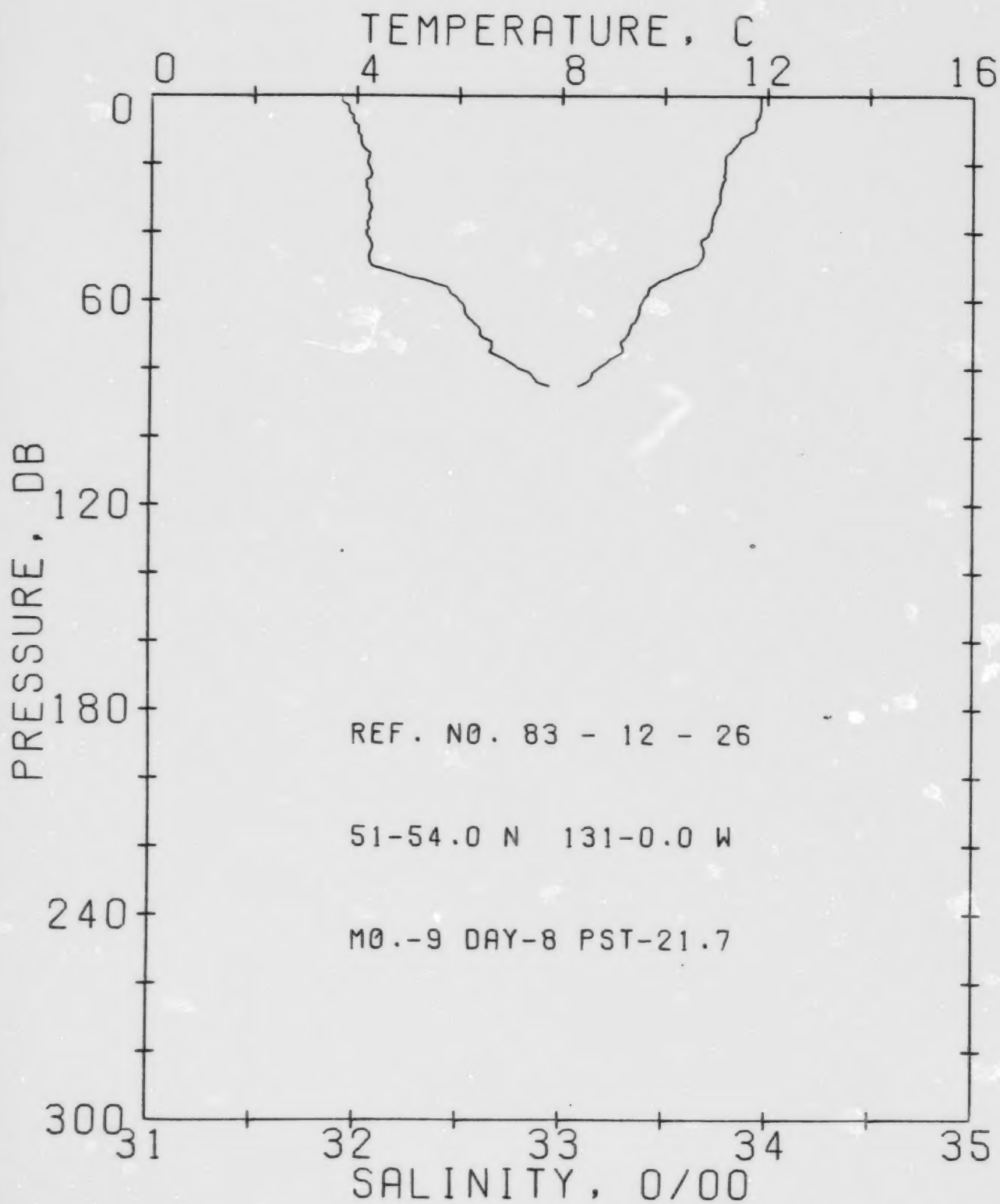
STATION B 2

RESULTS OF STP CAST 796 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.61 | 31.89 | 0     | 23.89      | 402.6 | .00        | .00        | 1499. |
| 10    | 13.19 | 31.95 | 10    | 24.02      | 390.4 | .40        | .02        | 1498. |
| 20    | 12.80 | 31.91 | 20    | 24.06      | 386.4 | .79        | .08        | 1497. |
| 30    | 12.47 | 31.89 | 30    | 24.11      | 382.1 | 1.17       | .18        | 1496. |
| 50    | 11.06 | 32.04 | 50    | 24.49      | 346.4 | 1.90       | .47        | 1491. |
| 75    | 9.78  | 32.31 | 75    | 24.91      | 306.4 | 2.73       | 1.00       | 1487. |
| 100   | 8.99  | 32.60 | 99    | 25.26      | 273.3 | 3.48       | 1.66       | 1485. |
| 125   | 7.88  | 33.08 | 124   | 25.81      | 221.6 | 4.10       | 2.38       | 1482. |
| 150   | 7.55  | 33.26 | 149   | 26.00      | 204.1 | 4.63       | 3.12       | 1481. |
| 175   | 7.03  | 33.58 | 174   | 26.32      | 173.5 | 5.11       | 3.92       | 1480. |
| 200   | 6.76  | 33.68 | 199   | 26.44      | 163.0 | 5.53       | 4.72       | 1480. |
| 225   | 6.86  | 33.79 | 224   | 26.51      | 156.5 | 5.93       | 5.58       | 1481. |
| 250   | 6.78  | 33.83 | 248   | 26.55      | 152.8 | 6.32       | 6.52       | 1481. |
| 300   | 6.30  | 33.85 | 298   | 26.63      | 146.2 | 7.06       | 8.60       | 1480. |
| 400   | 5.89  | 33.89 | 397   | 26.72      | 138.6 | 8.49       | 13.69      | 1480. |
| 500   | 5.40  | 33.94 | 496   | 26.81      | 130.4 | 9.84       | 19.86      | 1479. |
| 600   | 4.69  | 34.01 | 595   | 26.95      | 117.5 | 11.08      | 26.79      | 1478. |
| 800   | 3.83  | 34.16 | 793   | 27.16      | 98.3  | 13.23      | 41.99      | 1478. |

54



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 26

DATE 8/ 9/83

POSITION 51-54.0N, 131- .0W

21.7

STATION K 1

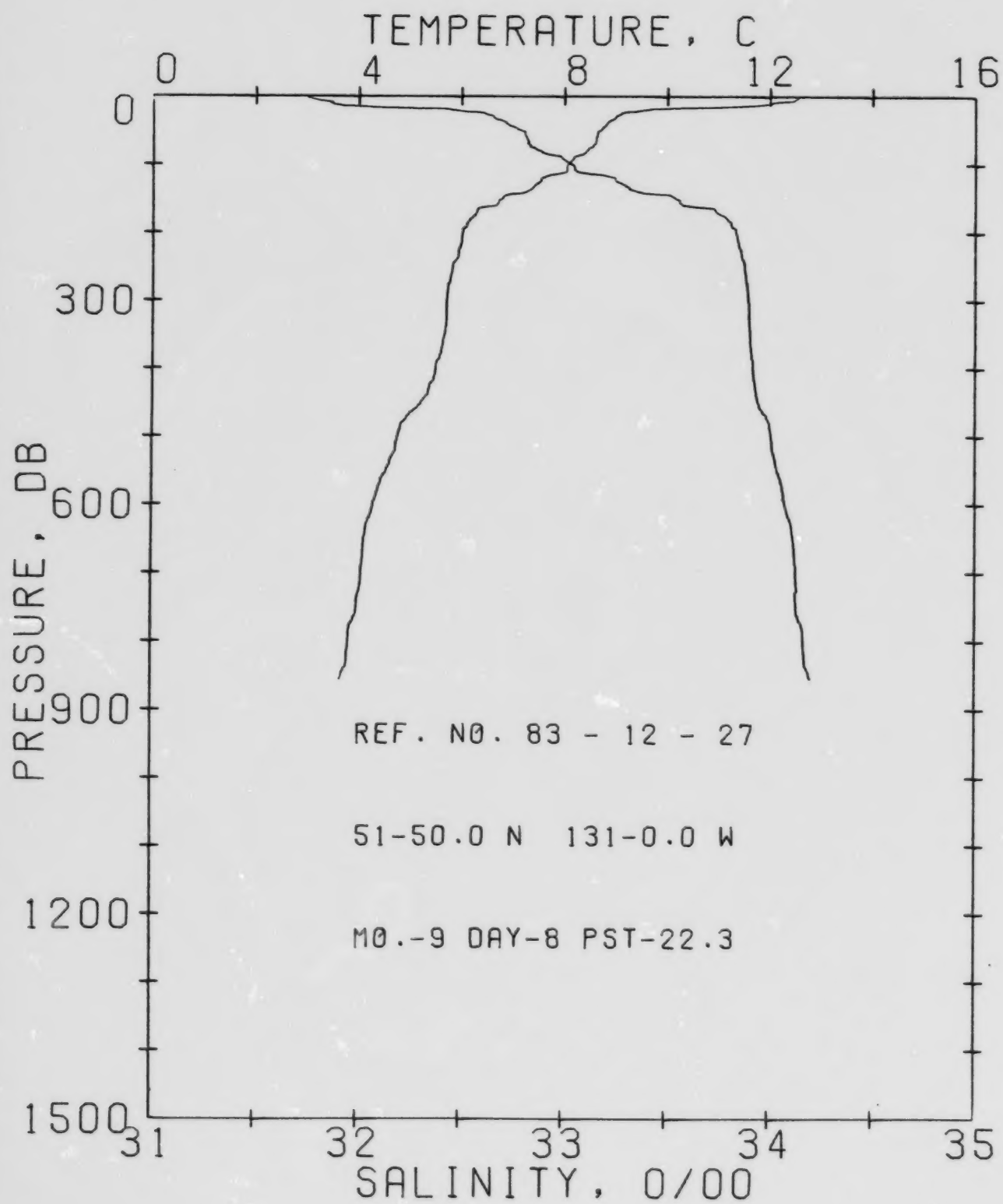
RESULTS OF STP CAST 86 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 11.87 | 31.93 | 0     | 24.26      | 367.6 | .00        | .00        | 1493. |
| 10    | 11.76 | 32.01 | 10    | 24.34      | 360.2 | .36        | .02        | 1493. |
| 20    | 11.18 | 32.05 | 20    | 24.47      | 347.2 | .72        | .07        | 1491. |
| 30    | 11.09 | 32.06 | 30    | 24.50      | 345.3 | 1.06       | .16        | 1491. |
| 50    | 10.59 | 32.08 | 50    | 24.60      | 335.9 | 1.74       | .44        | 1490. |
| 75    | 9.20  | 32.65 | 75    | 25.27      | 272.3 | 2.47       | .90        | 1486. |



56



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 27

DATE 8/ 9/83

POSITION 51-50.0N, 131- .0W

22.3

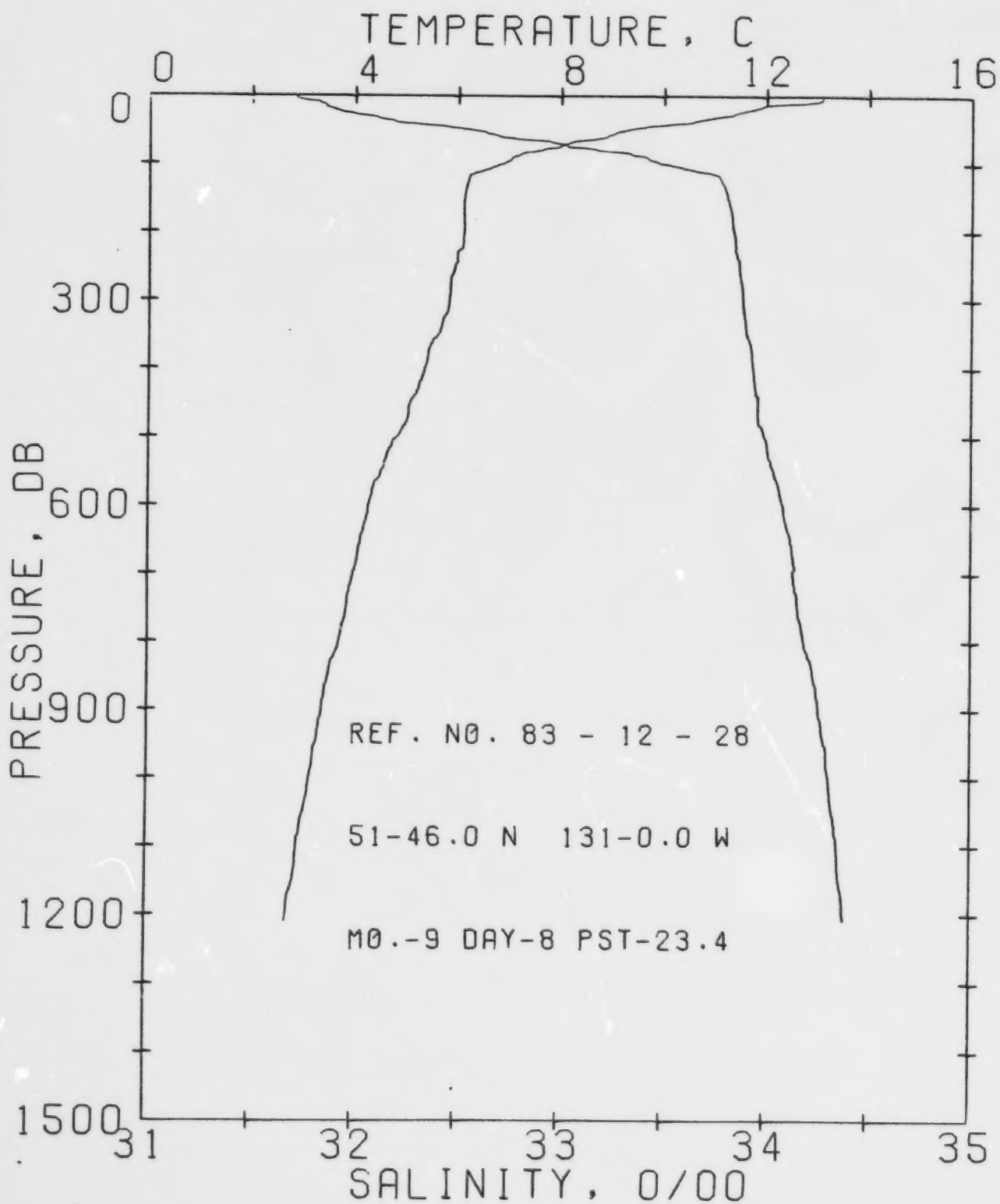
STATION K 2

RESULTS OF STP CAST 856 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.56 | 31.76 | 0     | 23.99      | 392.5 | .00        | .00        | 1495. |
| 10    | 12.02 | 31.87 | 10    | 24.18      | 374.6 | .39        | .02        | 1494. |
| 20    | 9.54  | 32.48 | 20    | 25.09      | 288.5 | .72        | .07        | 1486. |
| 30    | 9.01  | 32.66 | 30    | 25.31      | 267.9 | .99        | .14        | 1484. |
| 50    | 8.67  | 32.80 | 50    | 25.47      | 252.4 | 1.51       | .35        | 1483. |
| 75    | 8.48  | 32.86 | 75    | 25.55      | 245.8 | 2.14       | .75        | 1483. |
| 100   | 8.06  | 33.05 | 99    | 25.76      | 226.3 | 2.73       | 1.27       | 1482. |
| 125   | 7.52  | 33.26 | 124   | 26.00      | 203.2 | 3.27       | 1.89       | 1481. |
| 150   | 6.77  | 33.55 | 149   | 26.33      | 172.1 | 3.74       | 2.55       | 1479. |
| 175   | 6.25  | 33.78 | 174   | 26.58      | 148.6 | 4.14       | 3.22       | 1477. |
| 200   | 6.03  | 33.84 | 199   | 26.65      | 142.0 | 4.50       | 3.91       | 1477. |
| 225   | 5.95  | 33.86 | 223   | 26.68      | 139.5 | 4.86       | 4.67       | 1477. |
| 250   | 5.84  | 33.88 | 248   | 26.71      | 137.2 | 5.20       | 5.51       | 1477. |
| 300   | 5.71  | 33.90 | 298   | 26.74      | 135.0 | 5.88       | 7.42       | 1477. |
| 400   | 5.51  | 33.92 | 397   | 26.78      | 131.9 | 7.23       | 12.20      | 1478. |
| 500   | 4.76  | 34.01 | 496   | 26.94      | 117.5 | 8.48       | 17.94      | 1477. |
| 600   | 4.29  | 34.08 | 595   | 27.05      | 107.7 | 9.61       | 24.26      | 1477. |
| 800   | 3.81  | 34.17 | 793   | 27.17      | 97.3  | 11.65      | 38.80      | 1478. |

58



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 28

DATE 8/ 9/83

POSITION 51-46.0N, 131- .0W

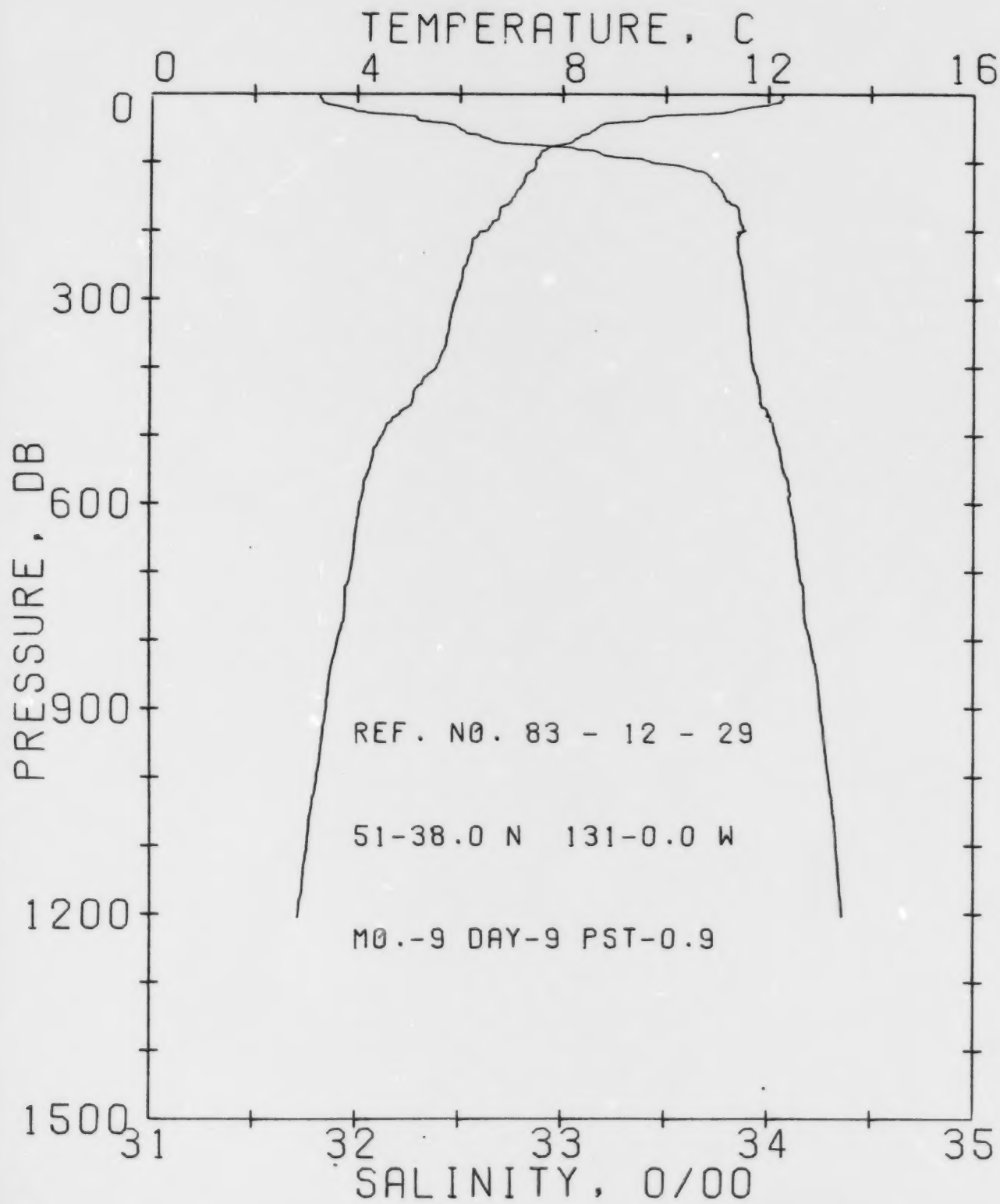
23.4

STATION K 3

RESULTS OF STP CAST 1209 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.10 | 31.72 | 0     | 23.86      | 405.4 | .00        | .00        | 1497. |
| 10    | 12.60 | 31.83 | 10    | 24.04      | 387.9 | .40        | .02        | 1496. |
| 20    | 11.66 | 31.90 | 20    | 24.28      | 366.1 | .77        | .08        | 1493. |
| 30    | 11.07 | 32.09 | 30    | 24.53      | 342.2 | 1.13       | .17        | 1491. |
| 50    | 9.25  | 32.58 | 50    | 25.21      | 277.6 | 1.76       | .42        | 1485. |
| 75    | 7.98  | 33.04 | 75    | 25.76      | 225.3 | 2.38       | .82        | 1482. |
| 100   | 6.81  | 33.53 | 99    | 26.31      | 173.8 | 2.86       | 1.24       | 1478. |
| 125   | 6.20  | 33.78 | 124   | 26.59      | 147.2 | 3.25       | 1.69       | 1476. |
| 150   | 6.13  | 33.81 | 149   | 26.62      | 144.7 | 3.62       | 2.20       | 1476. |
| 175   | 6.12  | 33.83 | 174   | 26.64      | 143.2 | 3.98       | 2.79       | 1477. |
| 200   | 6.13  | 33.84 | 199   | 26.65      | 142.8 | 4.33       | 3.48       | 1477. |
| 225   | 6.06  | 33.85 | 223   | 26.66      | 141.8 | 4.69       | 4.25       | 1477. |
| 250   | 5.96  | 33.87 | 248   | 26.69      | 139.6 | 5.04       | 5.10       | 1477. |
| 300   | 5.85  | 33.89 | 298   | 26.72      | 137.3 | 5.73       | 7.03       | 1478. |
| 400   | 5.38  | 33.94 | 397   | 26.81      | 128.9 | 7.06       | 11.78      | 1478. |
| 500   | 4.83  | 34.00 | 496   | 26.92      | 119.2 | 8.31       | 17.50      | 1477. |
| 600   | 4.28  | 34.09 | 595   | 27.05      | 107.0 | 9.44       | 23.81      | 1477. |
| 800   | 3.72  | 34.19 | 793   | 27.19      | 94.9  | 11.46      | 38.17      | 1478. |
| 1000  | 3.16  | 34.31 | 990   | 27.34      | 81.0  | 13.19      | 54.02      | 1479. |
| 1200  | 2.73  | 34.38 | 1188  | 27.44      | 71.9  | 14.72      | 71.08      | 1480. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 29

DATE 9/ 9/83

POSITION 51-38.0N, 131- .0W

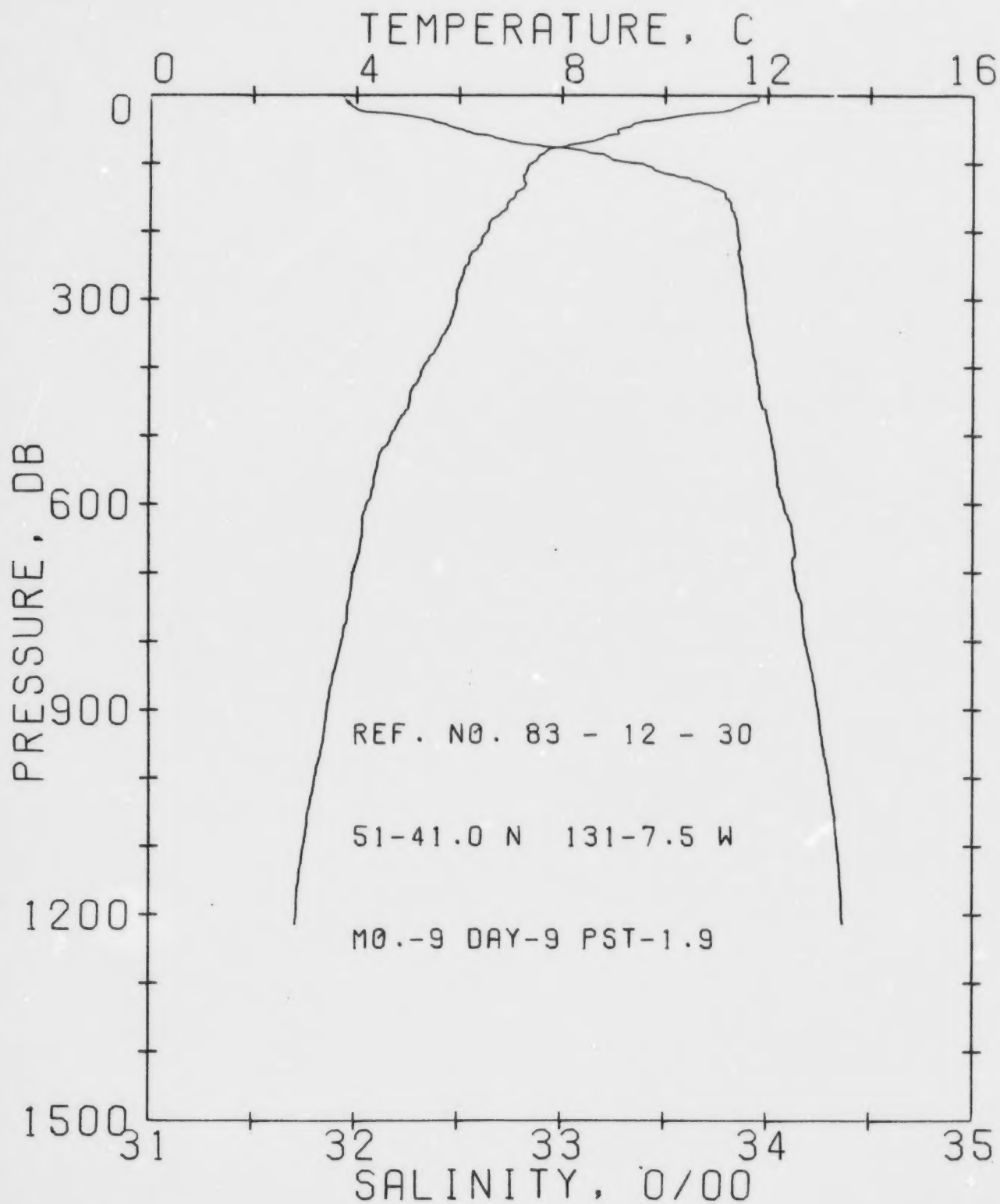
.9

STATION K 4

RESULTS OF STP CAST 1205 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.26 | 31.82 | 0     | 24.10      | 382.6 | .00        | .00        | 1494. |
| 10    | 12.22 | 31.83 | 10    | 24.12      | 381.0 | .38        | .02        | 1494. |
| 20    | 11.58 | 31.95 | 20    | 24.33      | 361.3 | .76        | .08        | 1493. |
| 30    | 10.02 | 32.21 | 30    | 24.79      | 316.8 | 1.10       | .16        | 1487. |
| 50    | 8.65  | 32.50 | 50    | 25.24      | 274.5 | 1.69       | .40        | 1483. |
| 75    | 7.89  | 32.92 | 75    | 25.68      | 233.1 | 2.34       | .82        | 1481. |
| 100   | 7.48  | 33.44 | 99    | 26.15      | 189.3 | 2.86       | 1.27       | 1481. |
| 125   | 7.27  | 33.73 | 124   | 26.40      | 165.4 | 3.29       | 1.77       | 1480. |
| 150   | 7.05  | 33.79 | 149   | 26.48      | 158.1 | 3.69       | 2.33       | 1480. |
| 175   | 6.78  | 33.86 | 174   | 26.57      | 149.8 | 4.08       | 2.97       | 1480. |
| 200   | 6.39  | 33.88 | 199   | 26.64      | 143.8 | 4.45       | 3.67       | 1478. |
| 225   | 6.23  | 33.85 | 223   | 26.64      | 143.7 | 4.81       | 4.46       | 1478. |
| 250   | 6.11  | 33.87 | 248   | 26.67      | 141.5 | 5.16       | 5.32       | 1478. |
| 300   | 5.92  | 33.89 | 298   | 26.71      | 138.1 | 5.86       | 7.28       | 1478. |
| 400   | 5.55  | 33.93 | 397   | 26.78      | 132.0 | 7.22       | 12.10      | 1478. |
| 500   | 4.48  | 34.04 | 496   | 26.99      | 112.1 | 8.44       | 17.68      | 1476. |
| 600   | 4.06  | 34.11 | 595   | 27.09      | 103.2 | 9.51       | 23.66      | 1476. |
| 800   | 3.63  | 34.21 | 793   | 27.21      | 92.5  | 11.47      | 37.63      | 1477. |
| 1000  | 3.23  | 34.30 | 990   | 27.33      | 82.7  | 13.21      | 53.58      | 1479. |
| 1200  | 2.88  | 34.36 | 1188  | 27.41      | 75.4  | 14.78      | 71.20      | 1481. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 30

DATE 9/ 9/83

POSITION 51-41.0N, 131- 7.5W

1.9

STATION L 1

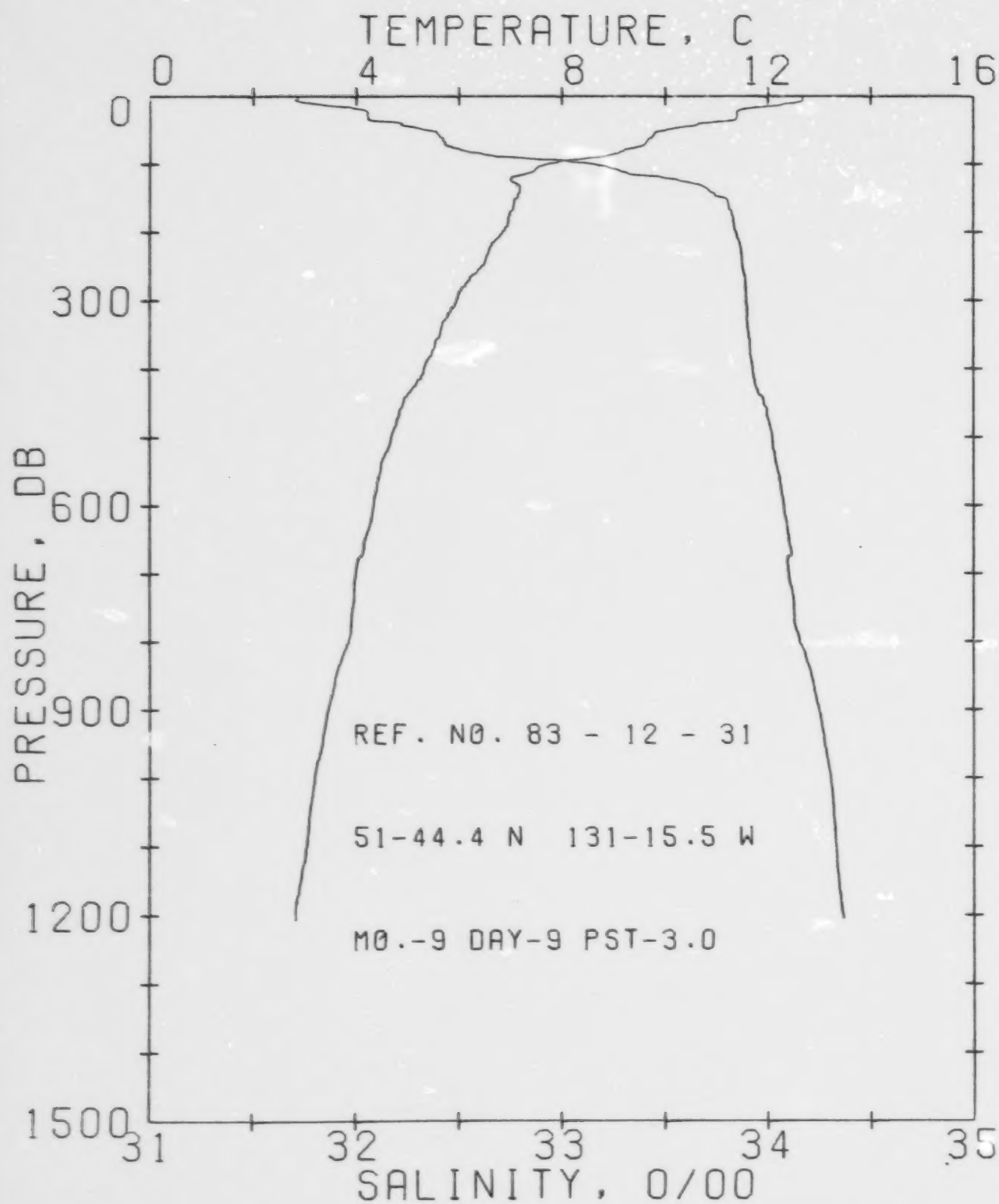
RESULTS OF STP CAST 1215 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 11.83 | 31.94 | 0     | 24.27      | 365.8 | .00        | .00        | 1493. |
| 10    | 11.68 | 31.95 | 10    | 24.31      | 362.7 | .37        | .02        | 1493. |
| 20    | 11.32 | 32.00 | 20    | 24.41      | 353.1 | .72        | .07        | 1492. |
| 30    | 10.26 | 32.26 | 30    | 24.79      | 317.1 | 1.06       | .16        | 1488. |
| 50    | 9.07  | 32.52 | 50    | 25.19      | 279.4 | 1.65       | .40        | 1485. |
| 75    | 8.06  | 32.91 | 75    | 25.65      | 236.0 | 2.30       | .81        | 1482. |
| 100   | 7.38  | 33.39 | 99    | 26.13      | 191.1 | 2.83       | 1.28       | 1480. |
| 125   | 7.26  | 33.64 | 124   | 26.33      | 171.8 | 3.28       | 1.80       | 1480. |
| 150   | 7.08  | 33.79 | 149   | 26.48      | 158.1 | 3.69       | 2.37       | 1480. |
| 175   | 6.79  | 33.84 | 174   | 26.55      | 151.5 | 4.08       | 3.01       | 1480. |
| 200   | 6.56  | 33.85 | 199   | 26.60      | 147.9 | 4.45       | 3.72       | 1479. |
| 225   | 6.37  | 33.86 | 223   | 26.63      | 144.7 | 4.81       | 4.51       | 1479. |
| 250   | 6.14  | 33.87 | 248   | 26.67      | 141.5 | 5.17       | 5.37       | 1478. |
| 300   | 5.96  | 33.89 | 298   | 26.70      | 138.6 | 5.87       | 7.33       | 1478. |
| 400   | 5.31  | 33.94 | 397   | 26.82      | 128.2 | 7.21       | 12.11      | 1477. |
| 500   | 4.68  | 34.02 | 496   | 26.96      | 115.7 | 8.44       | 17.71      | 1477. |
| 600   | 4.21  | 34.08 | 595   | 27.06      | 106.6 | 9.55       | 23.95      | 1476. |
| 800   | 3.73  | 34.19 | 793   | 27.19      | 95.0  | 11.56      | 38.24      | 1478. |
| 1000  | 3.21  | 34.30 | 990   | 27.33      | 82.0  | 13.32      | 54.40      | 1479. |
| 1200  | 2.86  | 34.37 | 1188  | 27.41      | 74.7  | 14.87      | 71.75      | 1481. |



64



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 31

DATE 9/ 9/83

POSITION 51-44.4N, 131-15.5W

3.0

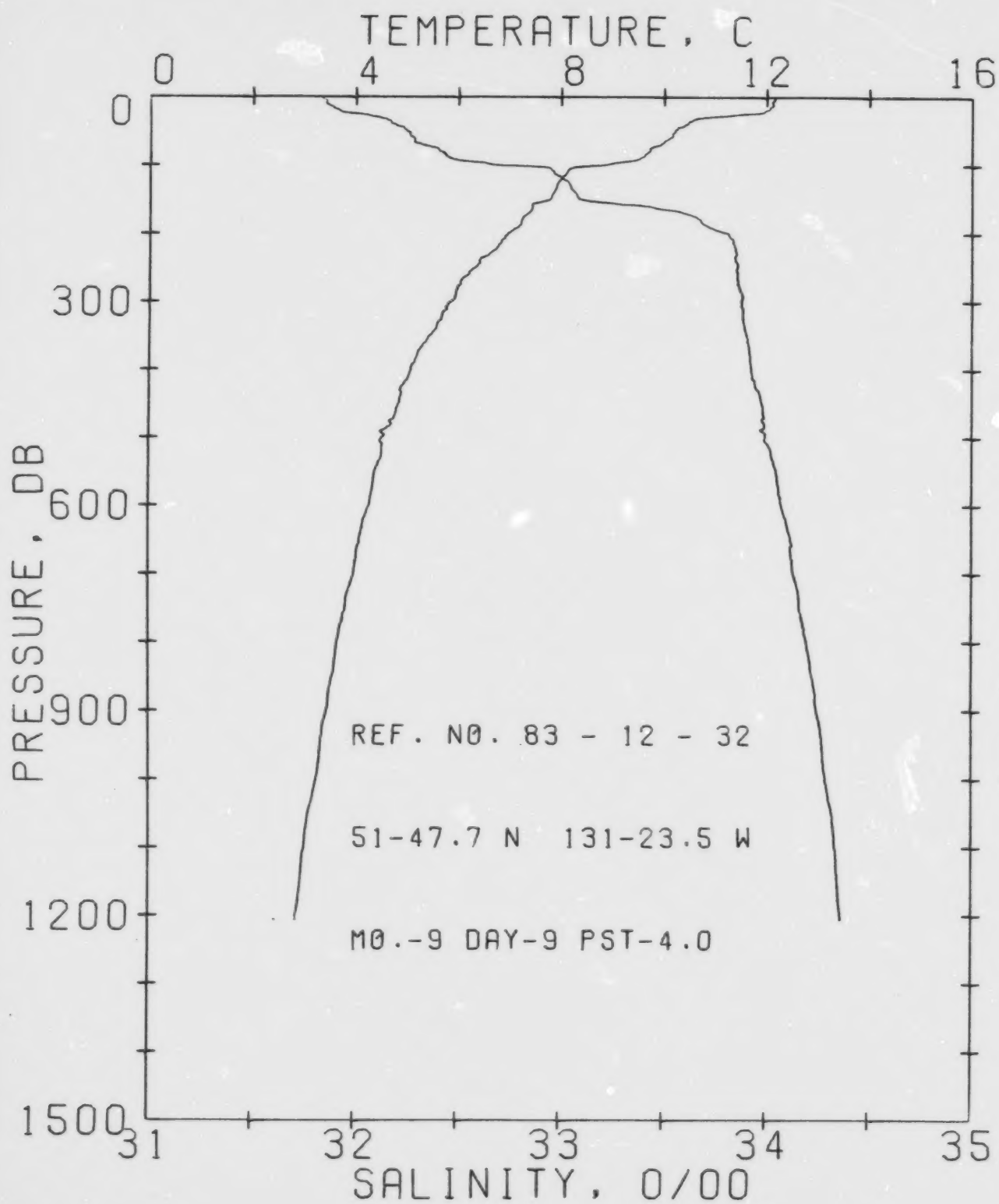
STATION L 2

RESULTS OF STP CAST 1206 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.68 | 31.72 | 0     | 23.94      | 397.5 | .00        | .00        | 1496. |
| 10    | 12.40 | 31.78 | 10    | 24.04      | 388.5 | .40        | .02        | 1495. |
| 20    | 11.44 | 32.04 | 20    | 24.42      | 352.3 | .77        | .08        | 1492. |
| 30    | 11.41 | 32.06 | 30    | 24.44      | 350.9 | 1.12       | .17        | 1492. |
| 50    | 10.00 | 32.35 | 50    | 24.91      | 306.1 | 1.78       | .43        | 1488. |
| 75    | 9.44  | 32.47 | 75    | 25.09      | 289.2 | 2.52       | .91        | 1486. |
| 100   | 7.69  | 33.16 | 99    | 25.90      | 212.4 | 3.16       | 1.48       | 1481. |
| 125   | 7.03  | 33.59 | 124   | 26.32      | 172.7 | 3.65       | 2.03       | 1479. |
| 150   | 7.10  | 33.80 | 149   | 26.48      | 158.1 | 4.06       | 2.61       | 1480. |
| 175   | 6.98  | 33.82 | 174   | 26.52      | 155.0 | 4.45       | 3.26       | 1480. |
| 200   | 6.85  | 33.85 | 199   | 26.55      | 152.0 | 4.84       | 3.99       | 1480. |
| 225   | 6.60  | 33.87 | 223   | 26.61      | 147.1 | 5.21       | 4.80       | 1480. |
| 250   | 6.45  | 33.88 | 248   | 26.63      | 144.9 | 5.58       | 5.68       | 1479. |
| 300   | 5.96  | 33.90 | 298   | 26.71      | 138.2 | 6.28       | 7.65       | 1478. |
| 400   | 5.33  | 33.93 | 397   | 26.81      | 129.2 | 7.62       | 12.42      | 1477. |
| 500   | 4.69  | 34.02 | 496   | 26.96      | 115.7 | 8.83       | 17.99      | 1477. |
| 600   | 4.34  | 34.08 | 595   | 27.04      | 108.4 | 9.95       | 24.24      | 1477. |
| 800   | 3.86  | 34.15 | 793   | 27.15      | 99.1  | 12.02      | 39.00      | 1478. |
| 1000  | 3.21  | 34.31 | 990   | 27.33      | 81.8  | 13.80      | 55.25      | 1479. |
| 1200  | 2.84  | 34.37 | 1188  | 27.42      | 74.5  | 15.37      | 72.82      | 1481. |

66



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 32

DATE 9/ 9/83

POSITION 51-47.7N, 131-23.5W

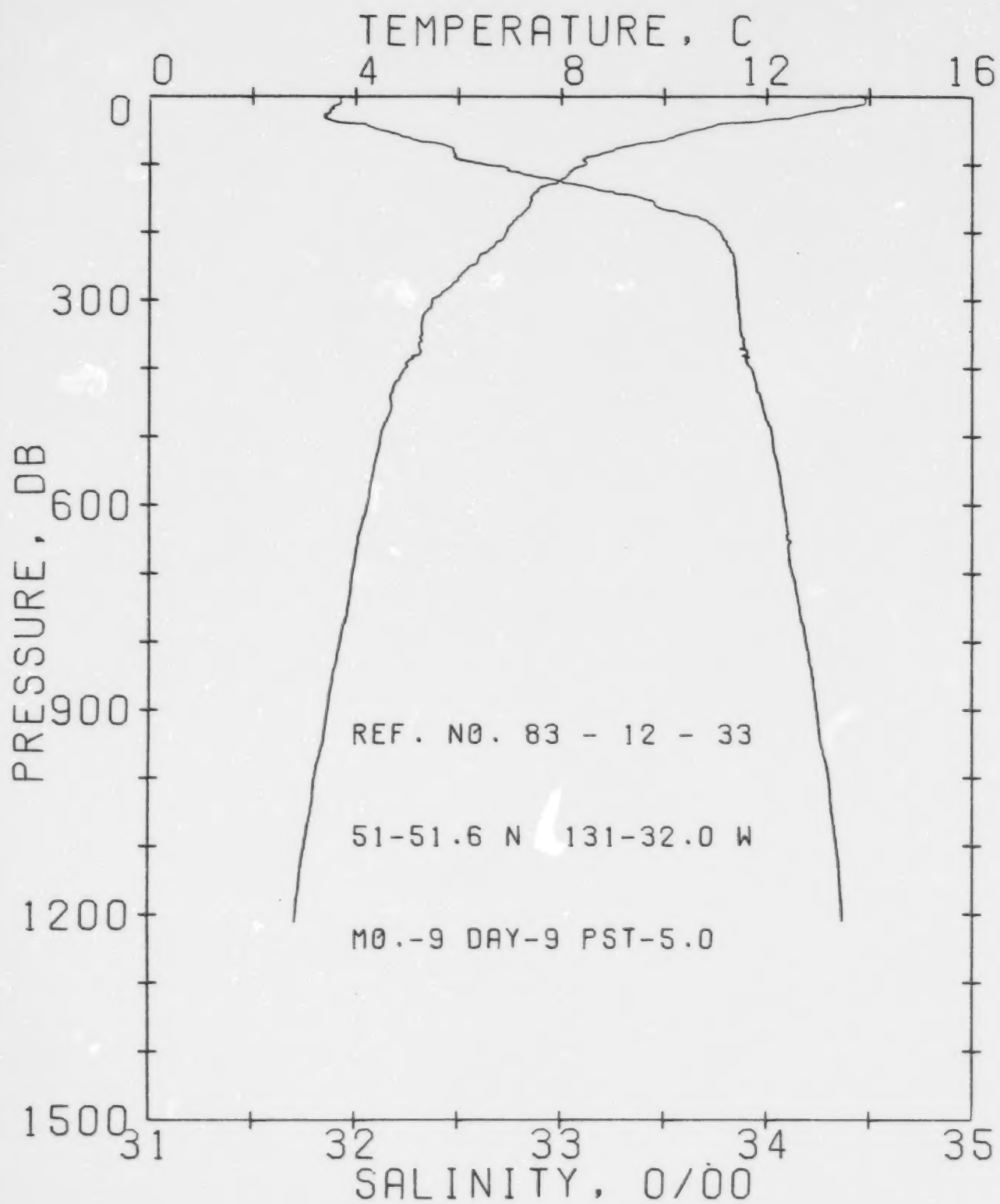
4.0

STATION L 3

RESULTS OF STP CAST 1207 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.17 | 31.84 | 0     | 24.13      | 379.4 | .00        | .00        | 1494. |
| 10    | 12.13 | 31.86 | 10    | 24.15      | 377.7 | .38        | .02        | 1494. |
| 20    | 11.99 | 31.92 | 20    | 24.23      | 370.4 | .75        | .08        | 1494. |
| 30    | 10.68 | 32.12 | 30    | 24.62      | 333.6 | 1.11       | .17        | 1490. |
| 50    | 10.22 | 32.25 | 50    | 24.80      | 317.1 | 1.75       | .43        | 1488. |
| 75    | 9.73  | 32.40 | 75    | 24.99      | 298.9 | 2.53       | .92        | 1487. |
| 100   | 8.64  | 32.73 | 99    | 25.42      | 258.2 | 3.25       | 1.56       | 1484. |
| 125   | 7.95  | 33.04 | 124   | 25.77      | 225.6 | 3.83       | 2.23       | 1482. |
| 150   | 7.77  | 33.11 | 149   | 25.85      | 218.6 | 4.39       | 3.01       | 1482. |
| 175   | 7.27  | 33.66 | 174   | 26.35      | 171.1 | 4.86       | 3.79       | 1481. |
| 200   | 6.97  | 33.82 | 199   | 26.52      | 155.6 | 5.28       | 4.58       | 1481. |
| 225   | 6.68  | 33.85 | 223   | 26.58      | 149.5 | 5.66       | 5.41       | 1480. |
| 250   | 6.32  | 33.86 | 248   | 26.63      | 144.9 | 6.03       | 6.30       | 1479. |
| 300   | 5.84  | 33.88 | 298   | 26.71      | 137.8 | 6.73       | 8.27       | 1478. |
| 400   | 5.08  | 33.93 | 397   | 26.84      | 126.3 | 8.05       | 12.97      | 1476. |
| 500   | 4.50  | 33.99 | 496   | 26.96      | 115.7 | 9.26       | 18.48      | 1476. |
| 600   | 4.27  | 34.08 | 595   | 27.05      | 107.8 | 10.37      | 24.72      | 1477. |
| 800   | 3.66  | 34.20 | 793   | 27.21      | 93.3  | 12.37      | 38.97      | 1477. |
| 1000  | 3.27  | 34.29 | 990   | 27.32      | 83.5  | 14.13      | 55.09      | 1479. |
| 1200  | 2.87  | 34.36 | 1188  | 27.41      | 75.0  | 15.70      | 72.64      | 1481. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 33

DATE 9/ 9/83

POSITION 51-51.6N, 131-32.0W

5.0

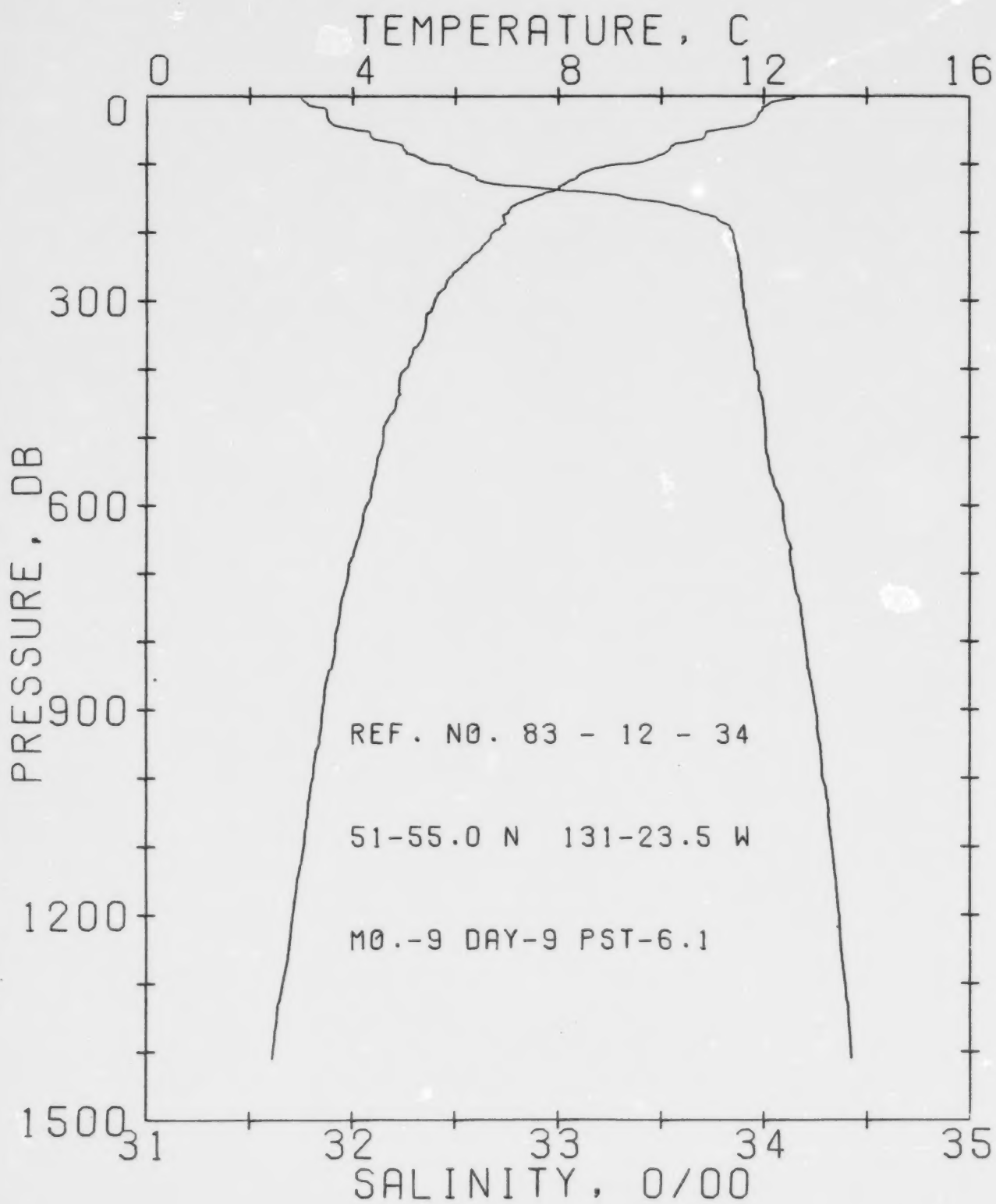
STATION J 2

RESULTS OF STP CAST 1211 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.93 | 31.93 | 0     | 23.86      | 405.7 | .00        | .00        | 1500. |
| 10    | 13.93 | 31.92 | 10    | 23.85      | 406.4 | .41        | .02        | 1500. |
| 20    | 13.27 | 31.87 | 20    | 23.95      | 397.6 | .81        | .08        | 1498. |
| 30    | 12.51 | 31.84 | 30    | 24.07      | 385.9 | 1.20       | .18        | 1496. |
| 50    | 10.55 | 32.14 | 50    | 24.65      | 330.8 | 1.91       | .47        | 1490. |
| 75    | 9.09  | 32.47 | 75    | 25.15      | 283.6 | 2.68       | .96        | 1485. |
| 100   | 8.47  | 32.63 | 99    | 25.37      | 263.1 | 3.37       | 1.57       | 1483. |
| 125   | 7.95  | 33.01 | 124   | 25.74      | 228.3 | 3.98       | 2.27       | 1482. |
| 150   | 7.43  | 33.40 | 149   | 26.13      | 191.9 | 4.50       | 3.00       | 1481. |
| 175   | 7.19  | 33.65 | 174   | 26.35      | 170.8 | 4.96       | 3.76       | 1481. |
| 200   | 6.94  | 33.78 | 199   | 26.49      | 158.3 | 5.37       | 4.54       | 1480. |
| 225   | 6.62  | 33.82 | 224   | 26.57      | 151.0 | 5.76       | 5.38       | 1480. |
| 250   | 6.21  | 33.85 | 248   | 26.64      | 144.2 | 6.12       | 6.27       | 1478. |
| 300   | 5.50  | 33.86 | 298   | 26.74      | 135.1 | 6.83       | 8.23       | 1476. |
| 400   | 4.96  | 33.93 | 397   | 26.85      | 124.8 | 8.14       | 12.91      | 1476. |
| 500   | 4.50  | 34.03 | 496   | 26.98      | 113.0 | 9.33       | 18.34      | 1476. |
| 600   | 4.24  | 34.09 | 595   | 27.06      | 106.7 | 10.42      | 24.50      | 1476. |
| 800   | 3.72  | 34.19 | 793   | 27.20      | 94.5  | 12.44      | 38.86      | 1478. |
| 1000  | 3.21  | 34.31 | 990   | 27.33      | 81.9  | 14.21      | 55.04      | 1479. |
| 1200  | 2.85  | 34.37 | 1188  | 27.42      | 74.5  | 15.77      | 72.51      | 1481. |

70



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 34

DATE 9/ 9/83

POSITION 51-55.0N, 131-23.5W

6.1

STATION Q 2

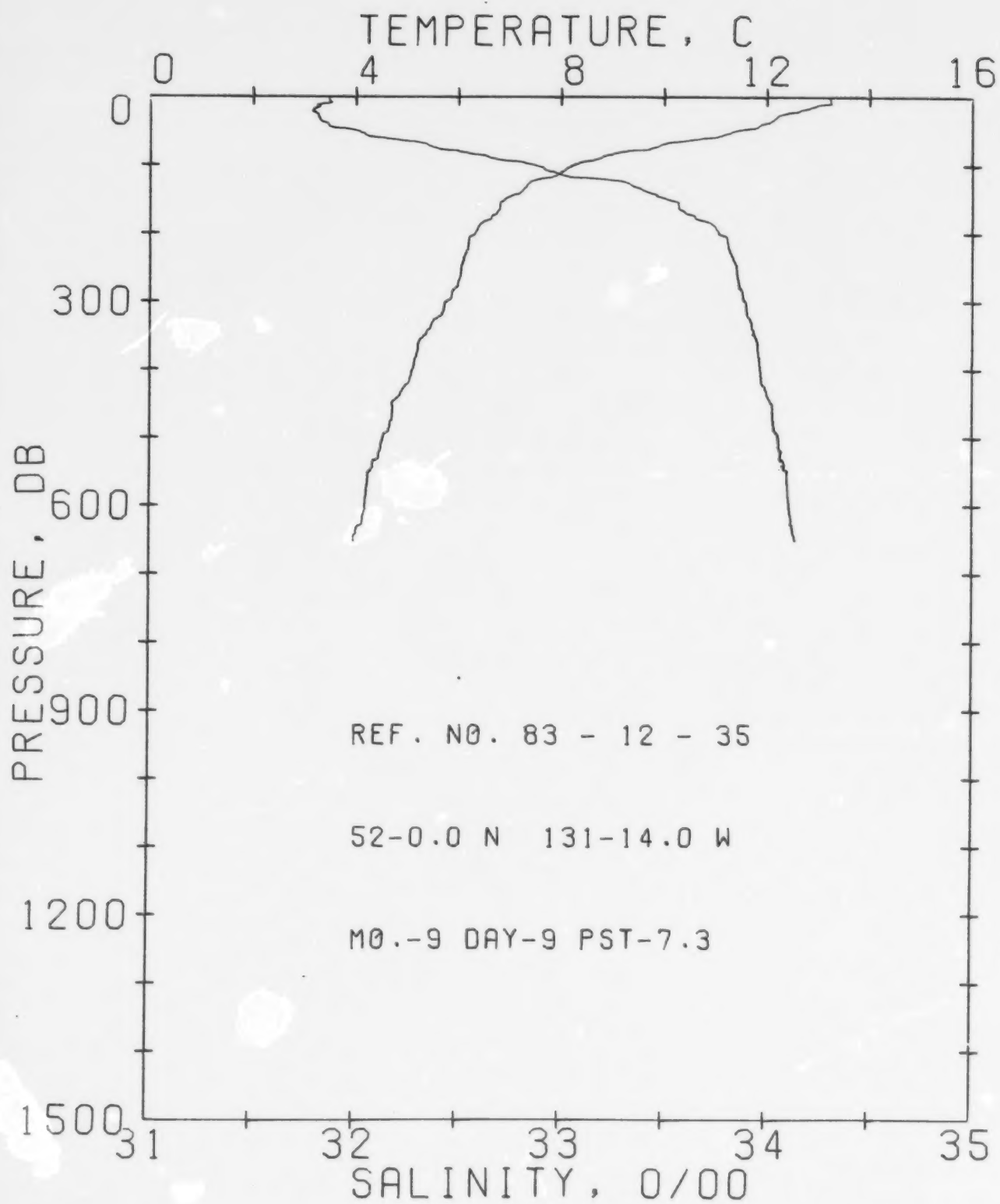
RESULTS OF STP CAST 1411 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.61 | 31.75 | 0     | 23.98      | 394.0 | .00        | .00        | 1495. |
| 10    | 12.13 | 31.78 | 10    | 24.09      | 383.5 | .39        | .02        | 1494. |
| 20    | 11.98 | 31.88 | 20    | 24.19      | 373.8 | .77        | .08        | 1494. |
| 30    | 11.89 | 31.88 | 30    | 24.21      | 372.5 | 1.14       | .17        | 1494. |
| 50    | 11.07 | 32.02 | 50    | 24.47      | 347.8 | 1.87       | .47        | 1491. |
| 75    | 10.20 | 32.25 | 75    | 24.80      | 317.4 | 2.70       | 1.00       | 1489. |
| 100   | 9.16  | 32.44 | 99    | 25.11      | 287.7 | 3.48       | 1.68       | 1486. |
| 125   | 8.21  | 32.63 | 124   | 25.41      | 260.0 | 4.15       | 2.46       | 1483. |
| 150   | 7.50  | 33.34 | 149   | 26.07      | 197.5 | 4.72       | 3.25       | 1481. |
| 175   | 6.92  | 33.74 | 174   | 26.46      | 160.5 | 5.16       | 3.98       | 1480. |
| 200   | 6.73  | 33.85 | 199   | 26.57      | 150.2 | 5.55       | 4.72       | 1480. |
| 225   | 6.50  | 33.86 | 224   | 26.61      | 146.4 | 5.92       | 5.52       | 1479. |
| 250   | 6.13  | 33.88 | 248   | 26.67      | 140.9 | 6.28       | 6.39       | 1478. |
| 300   | 5.60  | 33.90 | 298   | 26.76      | 133.3 | 6.96       | 8.30       | 1477. |
| 400   | 5.02  | 33.96 | 397   | 26.87      | 123.3 | 8.25       | 12.88      | 1476. |
| 500   | 4.60  | 34.01 | 496   | 26.96      | 115.6 | 9.43       | 18.32      | 1476. |
| 600   | 4.27  | 34.09 | 595   | 27.06      | 106.5 | 10.55      | 24.59      | 1477. |
| 800   | 3.68  | 34.20 | 793   | 27.21      | 93.5  | 12.55      | 38.79      | 1478. |
| 1000  | 3.24  | 34.29 | 990   | 27.32      | 83.7  | 14.31      | 54.91      | 1479. |
| 1200  | 2.84  | 34.37 | 1188  | 27.42      | 74.5  | 15.89      | 72.56      | 1481. |



72



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 35

DATE 9/ 9/83

POSITION 52- .0N, 131-14.0W

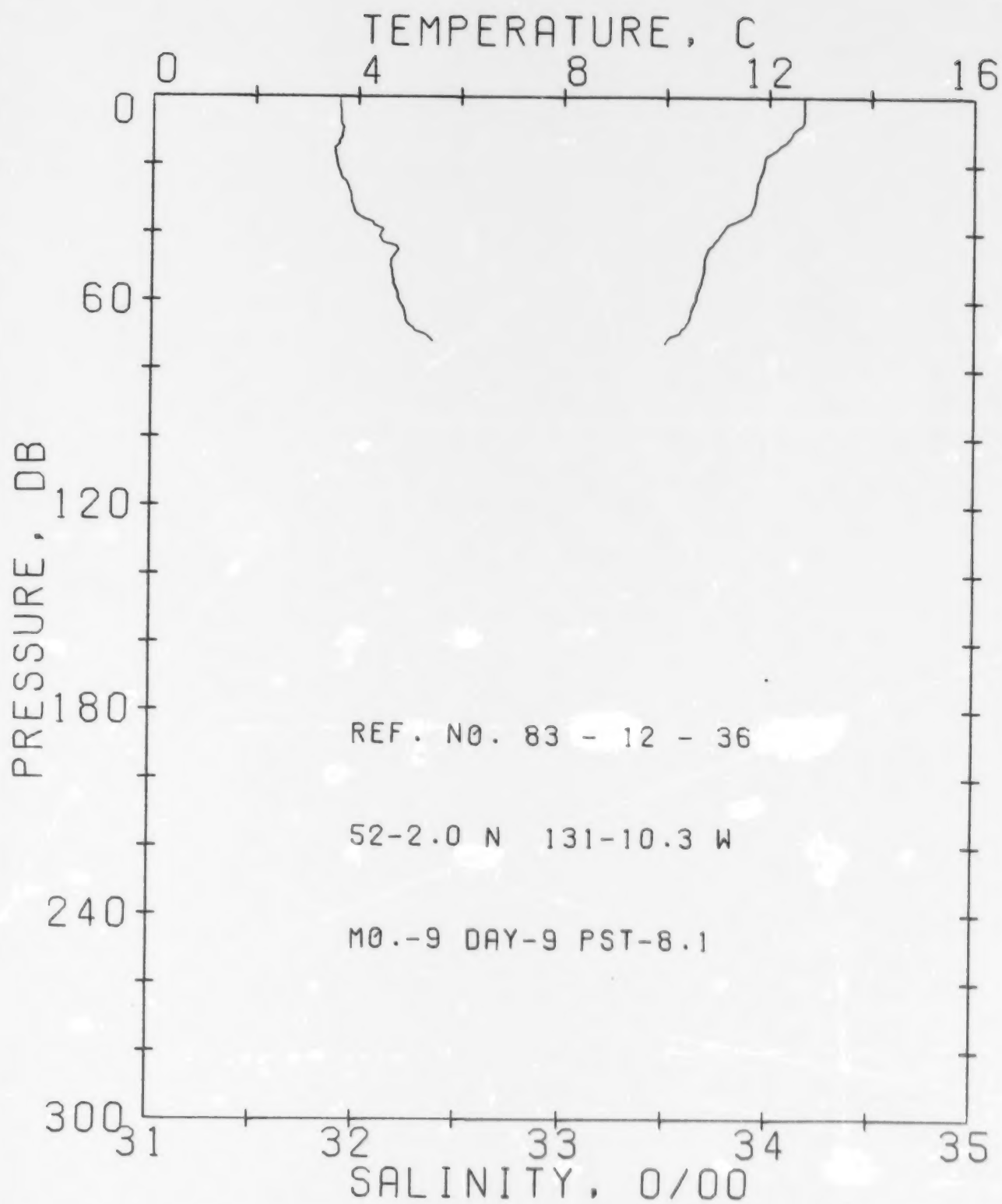
7.3

STATION J 1

RESULTS OF STP CAST 652 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.24 | 31.87 | 0     | 23.95      | 396.7 | .00        | .00        | 1498. |
| 10    | 13.07 | 31.83 | 10    | 23.95      | 396.6 | .40        | .02        | 1497. |
| 20    | 12.65 | 31.79 | 20    | 24.00      | 392.2 | .79        | .08        | 1496. |
| 30    | 12.19 | 31.82 | 30    | 24.11      | 381.9 | 1.18       | .18        | 1495. |
| 50    | 11.34 | 32.02 | 50    | 24.42      | 352.5 | 1.92       | .48        | 1492. |
| 75    | 9.75  | 32.41 | 75    | 24.99      | 298.6 | 2.73       | 1.00       | 1487. |
| 100   | 8.22  | 32.89 | 99    | 25.61      | 240.5 | 3.40       | 1.59       | 1483. |
| 125   | 7.39  | 33.32 | 124   | 26.07      | 196.9 | 3.96       | 2.23       | 1480. |
| 150   | 6.91  | 33.52 | 149   | 26.29      | 176.1 | 4.43       | 2.88       | 1479. |
| 175   | 6.66  | 33.66 | 174   | 26.43      | 163.2 | 4.85       | 3.58       | 1479. |
| 200   | 6.34  | 33.77 | 199   | 26.56      | 151.4 | 5.24       | 4.33       | 1478. |
| 225   | 6.18  | 33.82 | 223   | 26.62      | 145.5 | 5.61       | 5.12       | 1478. |
| 250   | 6.07  | 33.86 | 248   | 26.66      | 141.8 | 5.97       | 5.99       | 1478. |
| 300   | 5.76  | 33.90 | 298   | 26.74      | 135.2 | 6.67       | 7.95       | 1478. |
| 400   | 5.11  | 33.97 | 397   | 26.87      | 123.7 | 7.95       | 12.52      | 1477. |
| 500   | 4.55  | 34.06 | 496   | 27.01      | 110.8 | 9.12       | 17.89      | 1476. |
| 600   | 4.20  | 34.11 | 595   | 27.08      | 104.4 | 10.20      | 23.88      | 1476. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 36

DATE 9/ 9/83

POSITION 52- 2.ON, 131-10.3W

8.1

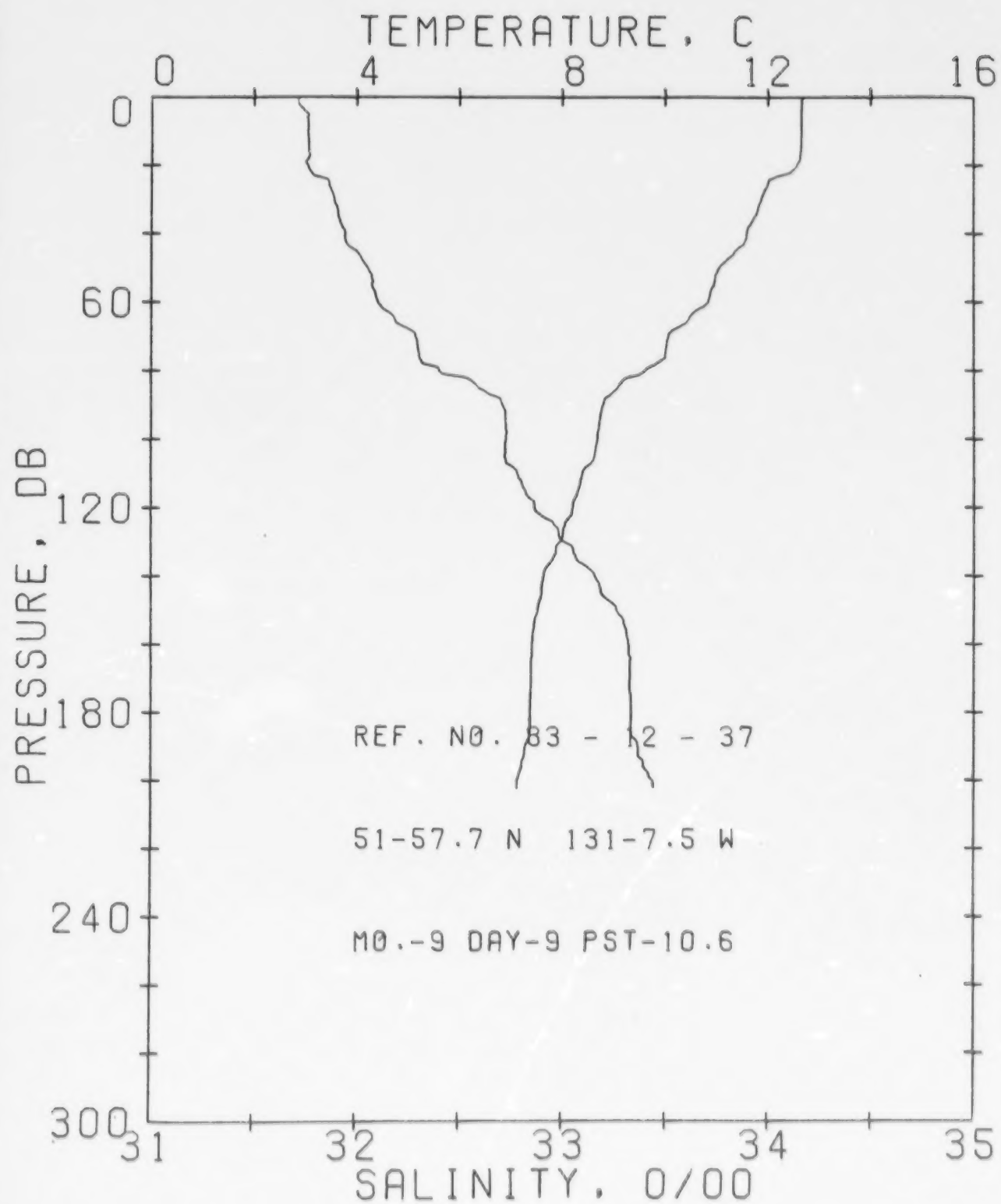
STATION J O

RESULTS OF STP CAST 73 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.68 | 31.91 | 0     | 24.09      | 383.5 | .00        | .00        | 1496. |
| 10    | 12.47 | 31.92 | 10    | 24.14      | 378.9 | .38        | .02        | 1495. |
| 20    | 11.91 | 31.90 | 20    | 24.22      | 371.0 | .76        | .08        | 1494. |
| 30    | 11.74 | 31.97 | 30    | 24.31      | 363.1 | 1.12       | .17        | 1493. |
| 50    | 10.74 | 32.16 | 50    | 24.64      | 332.4 | 1.81       | .45        | 1490. |
| 75    | 9.90  | 32.41 | 75    | 24.97      | 301.0 | 2.60       | .95        | 1488. |

76



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 37

DATE 9/ 9/83

POSITION 51-57.7N, 131- 7.5W

10.6

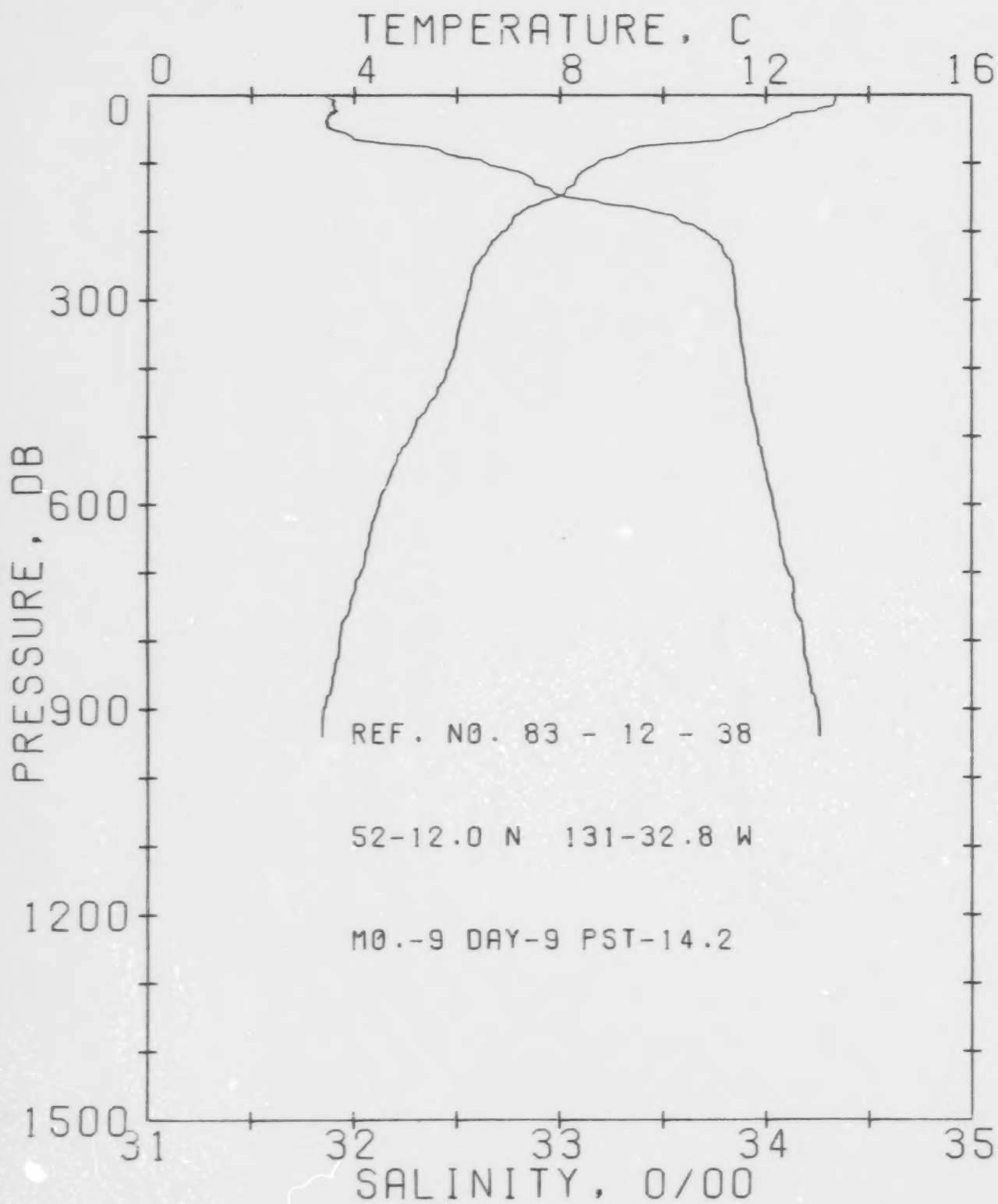
STATION A 1

RESULTS OF STP CAST 203 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.66 | 31.72 | 0     | 23.94      | 397.2 | .00        | .00        | 1496. |
| 10    | 12.65 | 31.76 | 10    | 23.98      | 394.2 | .40        | .02        | 1496. |
| 20    | 12.57 | 31.76 | 20    | 24.00      | 392.8 | .79        | .08        | 1496. |
| 30    | 11.88 | 31.89 | 30    | 24.23      | 371.0 | 1.17       | .18        | 1494. |
| 50    | 11.05 | 32.06 | 50    | 24.50      | 345.2 | 1.89       | .47        | 1491. |
| 75    | 10.01 | 32.31 | 75    | 24.87      | 310.3 | 2.71       | .99        | 1488. |
| 100   | 8.70  | 32.73 | 99    | 25.41      | 259.2 | 3.40       | 1.60       | 1484. |
| 125   | 8.07  | 32.97 | 124   | 25.69      | 232.9 | 4.02       | 2.31       | 1483. |
| 150   | 7.55  | 33.27 | 149   | 26.00      | 203.5 | 4.57       | 3.07       | 1481. |
| 175   | 7.40  | 33.34 | 174   | 26.08      | 196.9 | 5.06       | 3.90       | 1481. |
| 200   | 7.14  | 33.44 | 199   | 26.20      | 185.7 | 5.55       | 4.82       | 1481. |

78



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 38

DATE 9/ 9/83

POSITION 52-12.0N, 131-32.8W

14.2

STATION B 2

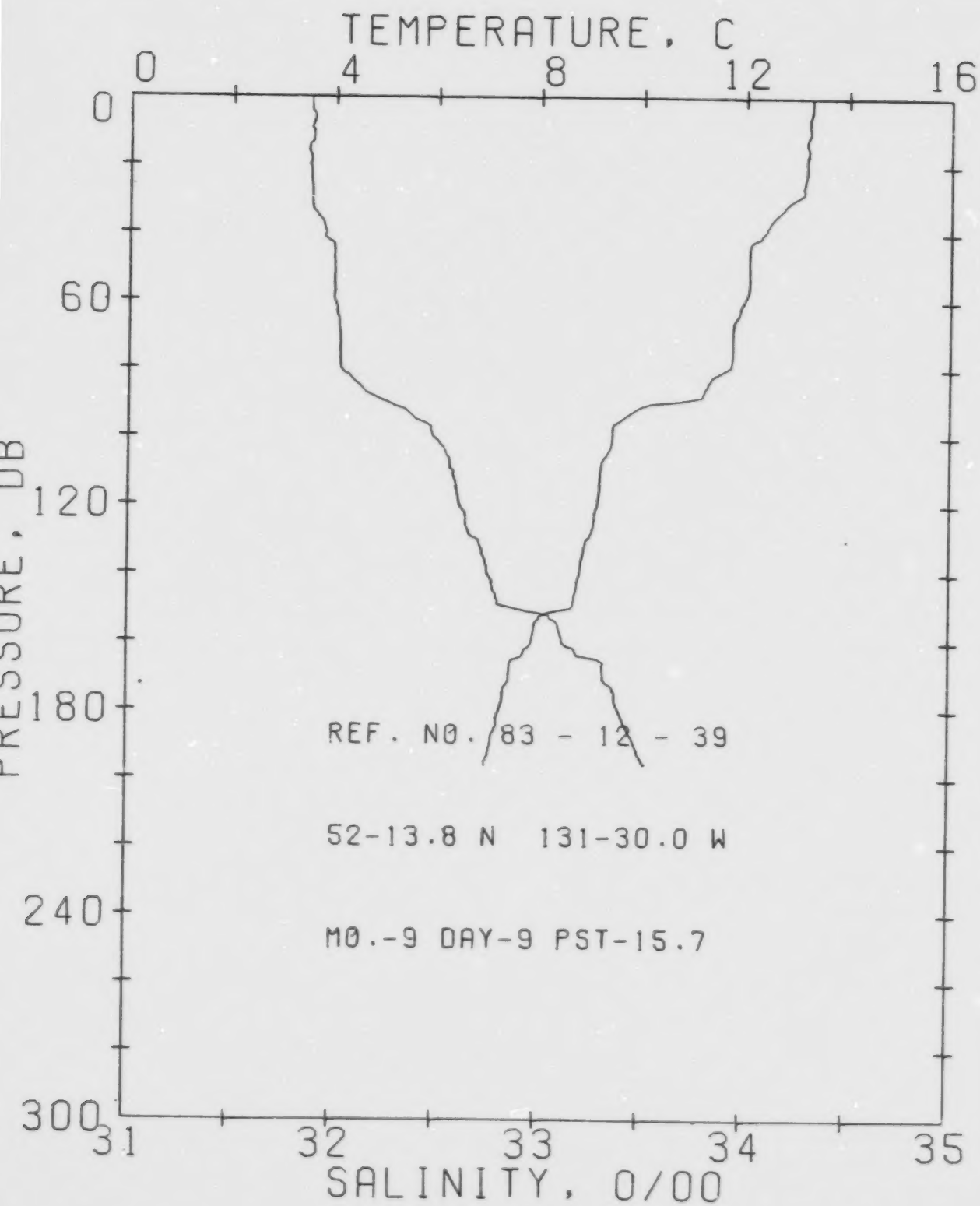
RESULTS OF STP CAST 940 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.35 | 31.86 | 0     | 23.92      | 399.4 | .00        | .00        | 1498. |
| 10    | 13.33 | 31.89 | 10    | 23.95      | 397.4 | .40        | .02        | 1498. |
| 20    | 13.03 | 31.90 | 20    | 24.02      | 391.0 | .79        | .08        | 1497. |
| 30    | 12.49 | 31.87 | 30    | 24.09      | 383.6 | 1.18       | .18        | 1496. |
| 50    | 11.80 | 31.90 | 50    | 24.25      | 369.6 | 1.93       | .49        | 1494. |
| 75    | 9.56  | 32.36 | 75    | 24.99      | 298.9 | 2.80       | 1.03       | 1487. |
| 100   | 8.71  | 32.65 | 99    | 25.35      | 265.1 | 3.51       | 1.66       | 1484. |
| 125   | 8.31  | 32.87 | 124   | 25.58      | 243.2 | 4.13       | 2.38       | 1483. |
| 150   | 7.92  | 33.06 | 149   | 25.78      | 224.4 | 4.72       | 3.21       | 1483. |
| 175   | 7.17  | 33.53 | 174   | 26.26      | 179.1 | 5.22       | 4.03       | 1481. |
| 200   | 6.88  | 33.71 | 199   | 26.44      | 162.6 | 5.65       | 4.85       | 1480. |
| 225   | 6.61  | 33.79 | 224   | 26.54      | 153.3 | 6.05       | 5.70       | 1480. |
| 250   | 6.36  | 33.84 | 248   | 26.61      | 146.8 | 6.42       | 6.61       | 1479. |
| 300   | 6.20  | 33.85 | 298   | 26.64      | 144.4 | 7.15       | 8.64       | 1479. |
| 400   | 5.82  | 33.90 | 397   | 26.73      | 137.3 | 8.56       | 13.67      | 1479. |
| 500   | 5.11  | 33.96 | 496   | 26.86      | 125.1 | 9.87       | 19.68      | 1478. |
| 600   | 4.50  | 34.03 | 595   | 26.99      | 113.5 | 11.06      | 26.32      | 1477. |
| 800   | 3.73  | 34.19 | 793   | 27.19      | 95.2  | 13.14      | 41.14      | 1478. |



80



81

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 39

DATE 9/ 9/83

POSITION 52-13.8N, 131-30.0W

15.7

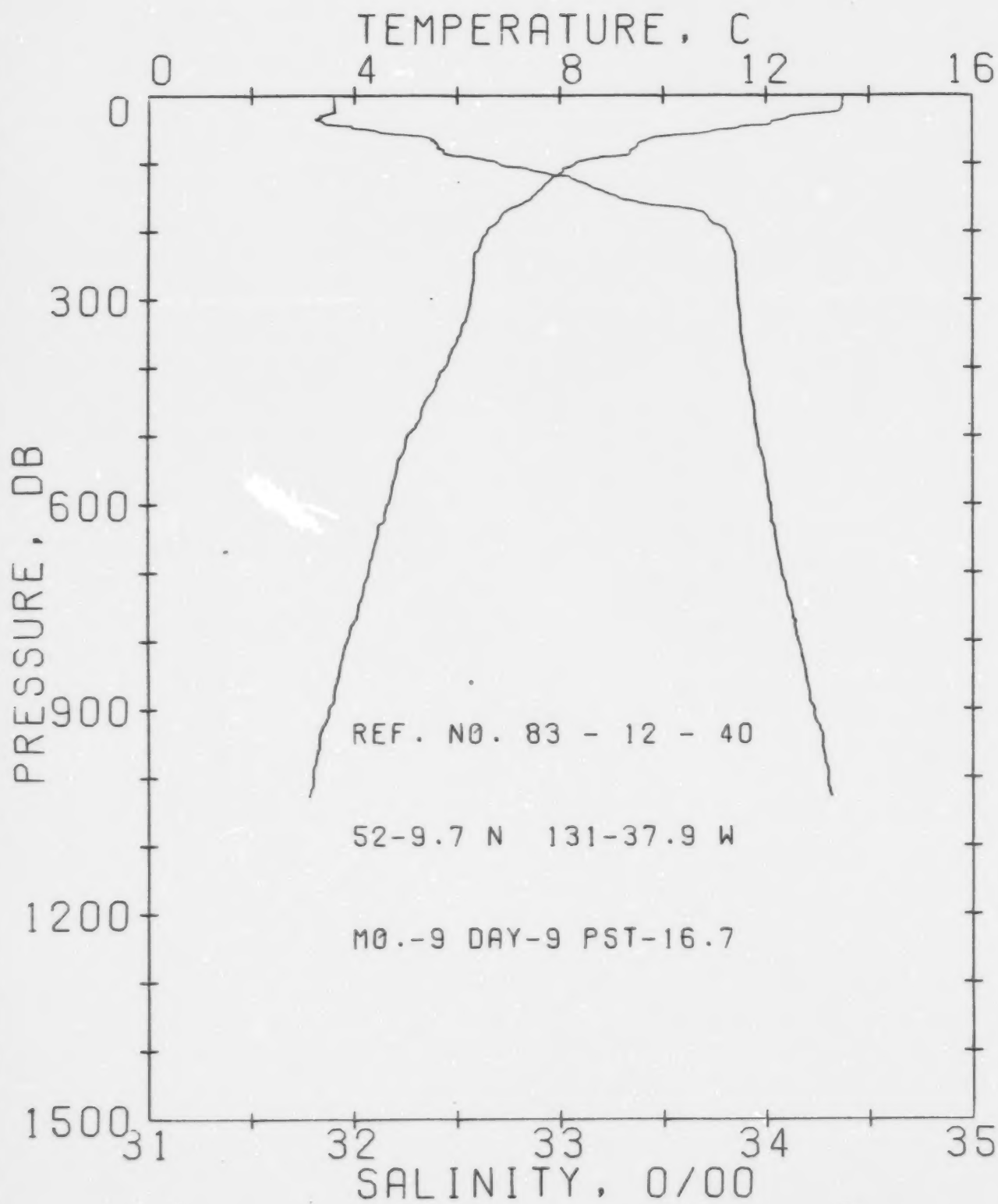
STATION B 1

RESULTS OF STP CAST 197 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.28 | 31.88 | 0     | 23.95      | 396.7 | .00        | .00        | 1498. |
| 10    | 13.26 | 31.89 | 10    | 23.96      | 395.9 | .40        | .02        | 1498. |
| 20    | 13.19 | 31.87 | 20    | 23.96      | 396.5 | .79        | .08        | 1498. |
| 30    | 12.91 | 31.88 | 30    | 24.02      | 390.5 | 1.19       | .18        | 1497. |
| 50    | 12.07 | 32.00 | 50    | 24.27      | 367.0 | 1.94       | .49        | 1495. |
| 75    | 11.76 | 32.03 | 75    | 24.35      | 359.9 | 2.85       | 1.06       | 1494. |
| 100   | 9.44  | 32.49 | 99    | 25.11      | 288.1 | 3.66       | 1.79       | 1487. |
| 125   | 9.08  | 32.65 | 124   | 25.29      | 271.4 | 4.36       | 2.59       | 1486. |
| 150   | 8.65  | 32.89 | 149   | 25.54      | 247.8 | 5.01       | 3.50       | 1485. |
| 175   | 7.34  | 33.38 | 174   | 26.12      | 192.8 | 5.54       | 4.37       | 1481. |

82



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 40

DATE 9/ 9/83

POSITION 52- 9.7N, 131-37.9W

16.7

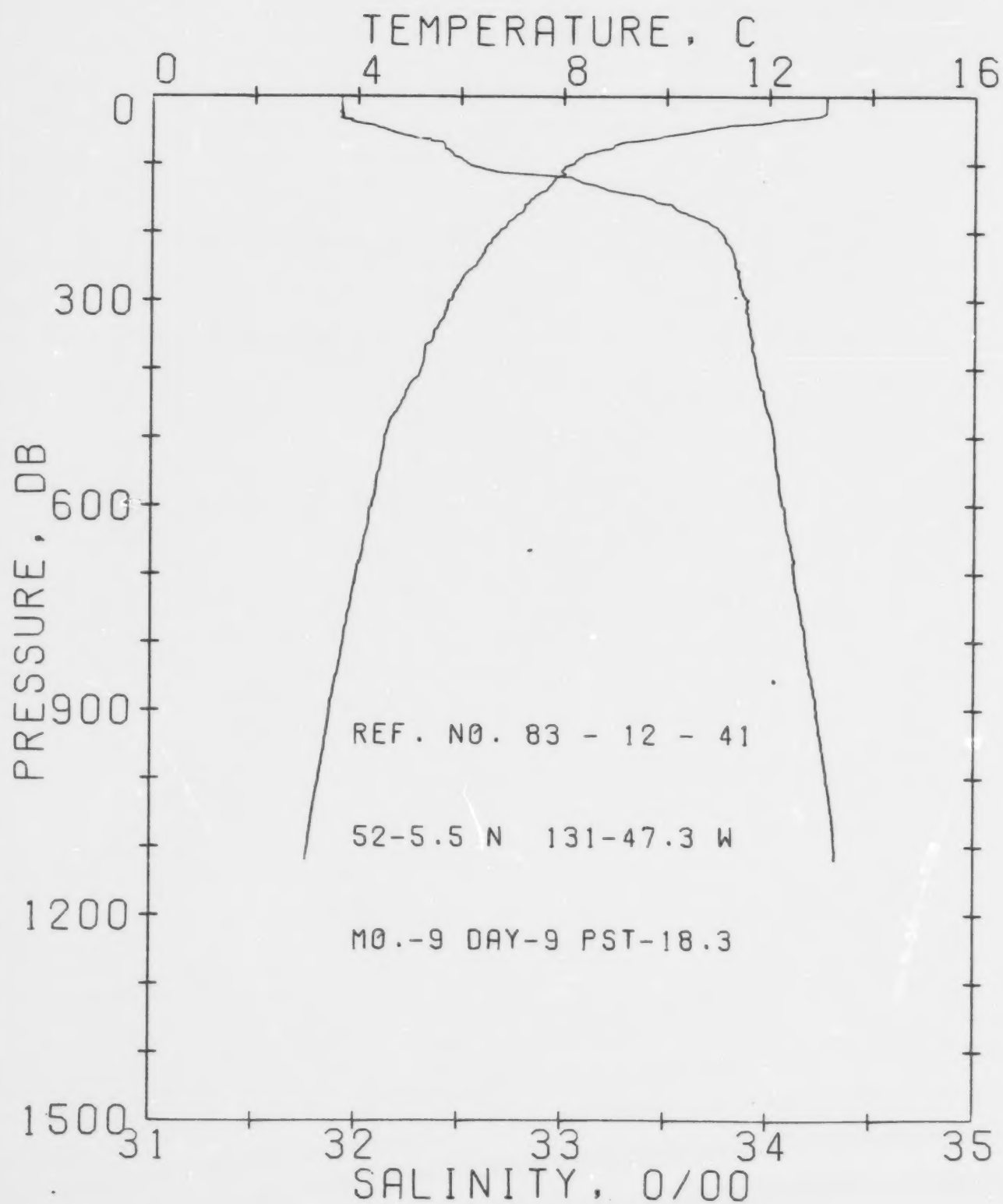
STATION Q 5

RESULTS OF STP CAST 1028 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.50 | 31.90 | 0     | 23.92      | 399.4 | .00        | .00        | 1499. |
| 10    | 13.50 | 31.90 | 10    | 23.92      | 399.5 | .40        | .02        | 1499. |
| 20    | 13.45 | 31.91 | 20    | 23.94      | 398.3 | .80        | .08        | 1499. |
| 30    | 12.50 | 31.83 | 30    | 24.06      | 386.8 | 1.19       | .18        | 1496. |
| 50    | 11.12 | 32.06 | 50    | 24.50      | 345.6 | 1.94       | .49        | 1491. |
| 75    | 9.50  | 32.41 | 75    | 25.03      | 294.7 | 2.72       | .98        | 1486. |
| 100   | 8.30  | 32.71 | 99    | 25.45      | 255.0 | 3.42       | 1.60       | 1483. |
| 125   | 7.80  | 33.08 | 124   | 25.82      | 220.4 | 4.01       | 2.27       | 1482. |
| 150   | 7.46  | 33.29 | 149   | 26.03      | 200.9 | 4.53       | 3.01       | 1481. |
| 175   | 6.88  | 33.71 | 174   | 26.44      | 162.0 | 4.98       | 3.75       | 1480. |
| 200   | 6.60  | 33.81 | 199   | 26.56      | 151.3 | 5.37       | 4.50       | 1479. |
| 225   | 6.43  | 33.84 | 224   | 26.61      | 147.1 | 5.75       | 5.31       | 1479. |
| 250   | 6.33  | 33.85 | 248   | 26.63      | 145.3 | 6.11       | 6.19       | 1479. |
| 300   | 6.26  | 33.86 | 298   | 26.65      | 144.3 | 6.84       | 8.22       | 1480. |
| 400   | 5.76  | 33.90 | 397   | 26.74      | 136.4 | 8.24       | 13.24      | 1479. |
| 500   | 5.02  | 33.96 | 496   | 26.87      | 124.3 | 9.55       | 19.20      | 1478. |
| 600   | 4.64  | 34.02 | 595   | 26.96      | 116.3 | 10.75      | 25.94      | 1478. |
| 800   | 3.87  | 34.15 | 793   | 27.15      | 99.2  | 12.91      | 41.32      | 1478. |
| 1000  | 3.21  | 34.30 | 990   | 27.33      | 82.2  | 14.72      | 57.79      | 1479. |

84



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 41

DATE 9/ 9/83

POSITION 52- 5.5N, 131-47.3W

18.3

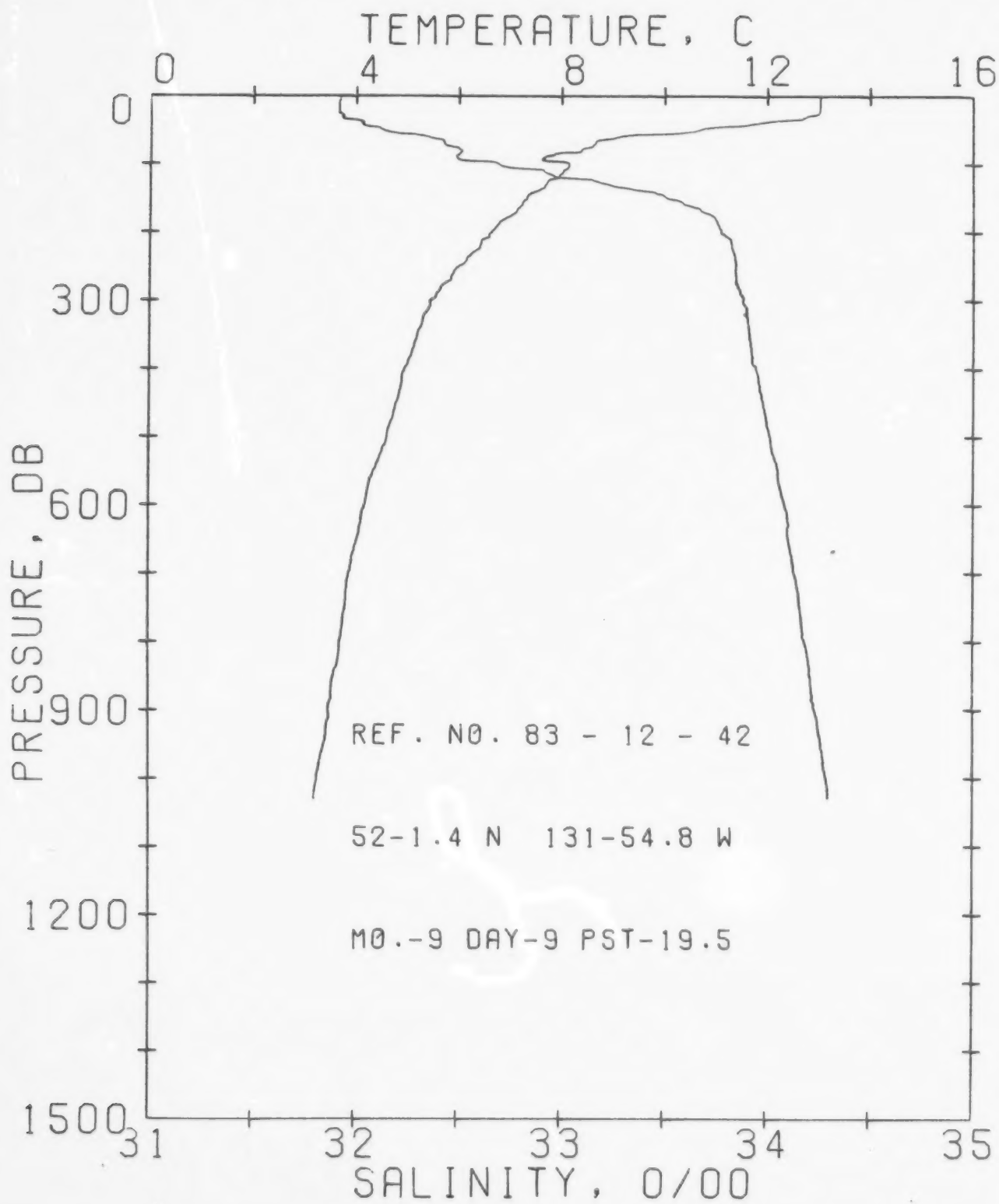
STATION B 3

RESULTS OF STP CAST 1120 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.12 | 31.92 | 0     | 24.01      | 390.7 | .00        | .00        | 1497. |
| 10    | 13.12 | 31.92 | 10    | 24.01      | 391.0 | .39        | .02        | 1498. |
| 20    | 13.12 | 31.92 | 20    | 24.01      | 391.1 | .78        | .08        | 1498. |
| 30    | 12.83 | 31.93 | 30    | 24.08      | 385.4 | 1.17       | .18        | 1497. |
| 50    | 10.63 | 32.15 | 50    | 24.65      | 331.4 | 1.89       | .47        | 1490. |
| 75    | 8.98  | 32.42 | 75    | 25.13      | 285.5 | 2.64       | .95        | 1485. |
| 100   | 8.15  | 32.55 | 99    | 25.35      | 264.5 | 3.33       | 1.56       | 1482. |
| 125   | 7.80  | 33.09 | 124   | 25.83      | 220.0 | 3.94       | 2.25       | 1482. |
| 150   | 7.38  | 33.43 | 149   | 26.16      | 189.1 | 4.45       | 2.97       | 1481. |
| 175   | 7.10  | 33.63 | 174   | 26.35      | 171.2 | 4.90       | 3.72       | 1480. |
| 200   | 6.76  | 33.77 | 199   | 26.51      | 156.3 | 5.31       | 4.49       | 1480. |
| 225   | 6.48  | 33.82 | 223   | 26.58      | 149.4 | 5.69       | 5.32       | 1479. |
| 250   | 6.26  | 33.84 | 248   | 26.62      | 145.6 | 6.06       | 6.21       | 1479. |
| 300   | 5.78  | 33.90 | 298   | 26.73      | 135.9 | 6.76       | 8.18       | 1478. |
| 400   | 5.24  | 33.94 | 397   | 26.83      | 126.9 | 8.08       | 12.86      | 1477. |
| 500   | 4.54  | 34.03 | 496   | 26.98      | 113.4 | 9.27       | 18.34      | 1476. |
| 600   | 4.29  | 34.07 | 595   | 27.04      | 108.5 | 10.39      | 24.58      | 1477. |
| 800   | 3.75  | 34.18 | 793   | 27.18      | 95.7  | 12.42      | 39.05      | 1478. |
| 1000  | 3.28  | 34.29 | 990   | 27.31      | 83.9  | 14.21      | 55.45      | 1479. |

86



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 42

DATE 9/ 9/83

POSITION 52- 1.4N, 131-54.8W

19.5

STATION Q 7

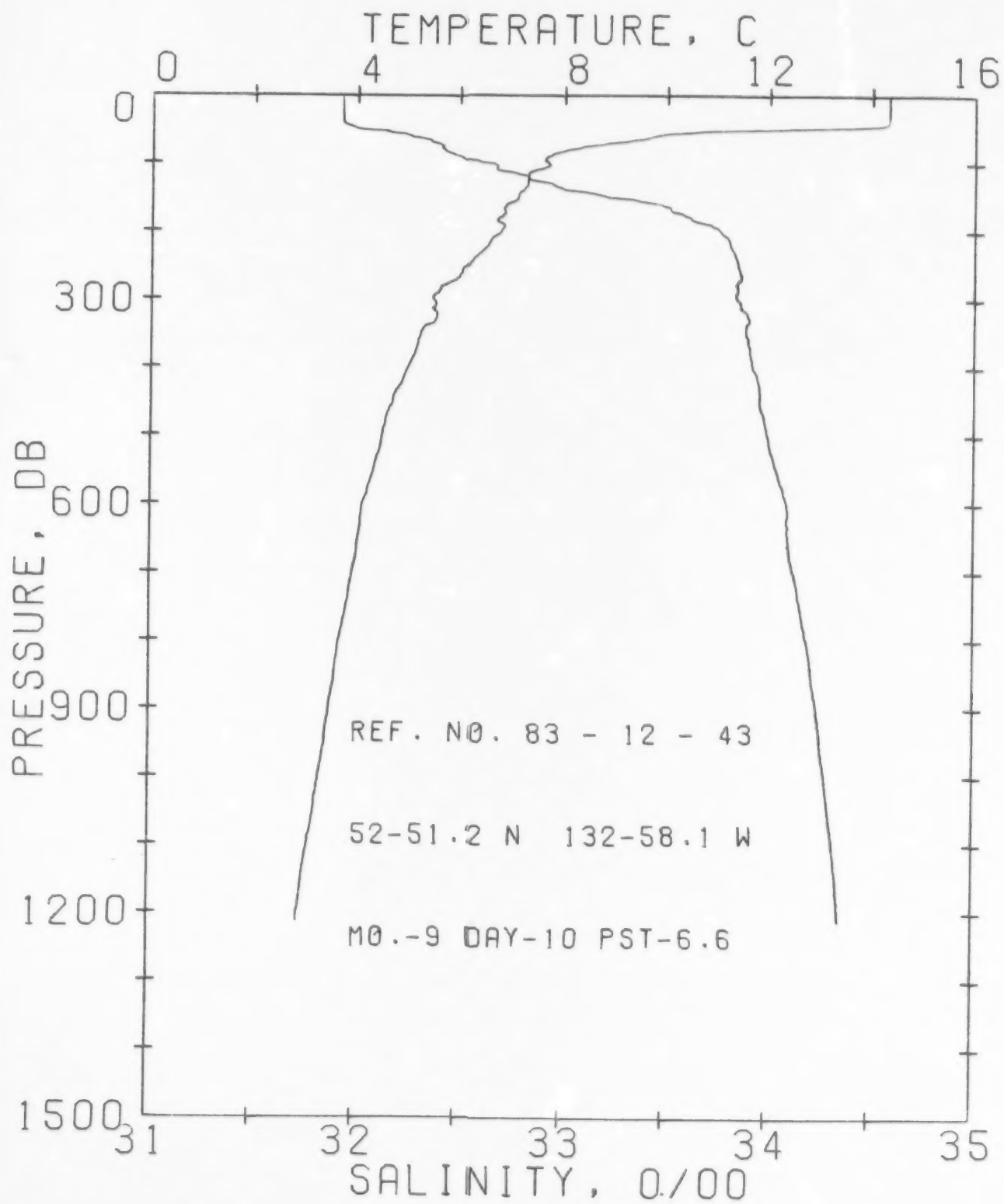
RESULTS OF STP CAST 1030 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.03 | 31.92 | 0     | 24.03      | 388.9 | .00        | .00        | 1497. |
| 10    | 13.03 | 31.92 | 10    | 24.03      | 389.7 | .39        | .02        | 1497. |
| 20    | 13.03 | 31.92 | 20    | 24.03      | 389.9 | .78        | .08        | 1497. |
| 30    | 12.74 | 31.94 | 30    | 24.10      | 383.4 | 1.17       | .18        | 1497. |
| 50    | 10.64 | 32.14 | 50    | 24.64      | 332.3 | 1.88       | .47        | 1490. |
| 75    | 8.52  | 32.48 | 75    | 25.25      | 274.3 | 2.62       | .93        | 1483. |
| 100   | 8.16  | 32.70 | 99    | 25.47      | 253.3 | 3.28       | 1.52       | 1482. |
| 125   | 7.74  | 33.17 | 124   | 25.90      | 213.0 | 3.86       | 2.19       | 1482. |
| 150   | 7.34  | 33.52 | 149   | 26.23      | 182.3 | 4.35       | 2.87       | 1481. |
| 175   | 7.02  | 33.74 | 174   | 26.44      | 162.2 | 4.78       | 3.58       | 1480. |
| 200   | 6.62  | 33.77 | 199   | 26.53      | 154.3 | 5.17       | 4.33       | 1479. |
| 225   | 6.36  | 33.83 | 223   | 26.61      | 146.8 | 5.55       | 5.14       | 1479. |
| 250   | 5.99  | 33.85 | 248   | 26.67      | 141.5 | 5.91       | 6.01       | 1478. |
| 300   | 5.44  | 33.88 | 298   | 26.76      | 132.9 | 6.59       | 7.94       | 1476. |
| 400   | 4.95  | 33.95 | 397   | 26.87      | 123.2 | 7.88       | 12.51      | 1476. |
| 500   | 4.61  | 34.02 | 496   | 26.96      | 115.2 | 9.07       | 17.97      | 1476. |
| 600   | 4.18  | 34.09 | 595   | 27.07      | 105.8 | 10.17      | 24.16      | 1476. |
| 800   | 3.70  | 34.18 | 793   | 27.19      | 94.9  | 12.18      | 38.41      | 1478. |
| 1000  | 3.27  | 34.29 | 990   | 27.32      | 83.7  | 13.97      | 54.77      | 1479. |



88



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 43

DATE 10/ 9/83

POSITION 52-51.2N, 132-58.1W

6.6

STATION C 4

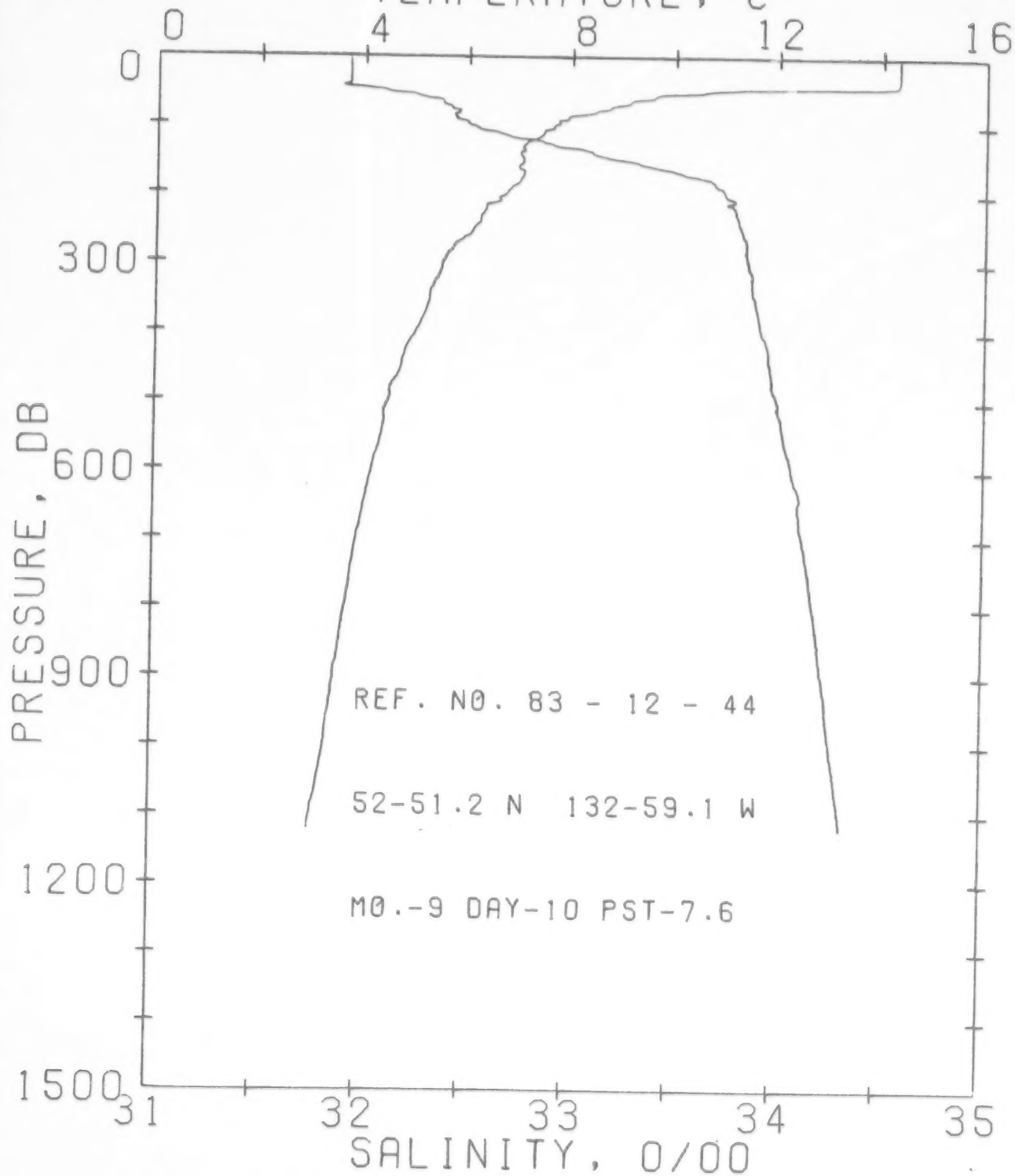
RESULTS OF STP CAST 1213 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.33 | 31.93 | 0     | 23.77      | 413.8 | .00        | .00        | 1501. |
| 10    | 14.33 | 31.93 | 10    | 23.77      | 414.1 | .41        | .02        | 1502. |
| 20    | 14.33 | 31.93 | 20    | 23.77      | 414.3 | .83        | .08        | 1502. |
| 30    | 14.33 | 31.93 | 30    | 23.77      | 414.5 | 1.24       | .19        | 1502. |
| 50    | 11.51 | 32.01 | 50    | 24.38      | 356.4 | 2.05       | .52        | 1493. |
| 75    | 8.37  | 32.42 | 75    | 25.22      | 277.0 | 2.81       | 1.00       | 1482. |
| 100   | 7.70  | 32.66 | 99    | 25.50      | 250.1 | 3.47       | 1.59       | 1480. |
| 125   | 7.29  | 32.85 | 124   | 25.71      | 231.1 | 4.08       | 2.28       | 1479. |
| 150   | 7.08  | 33.23 | 149   | 26.03      | 200.5 | 4.62       | 3.03       | 1479. |
| 175   | 6.82  | 33.58 | 174   | 26.35      | 170.8 | 5.07       | 3.78       | 1479. |
| 200   | 6.78  | 33.76 | 199   | 26.50      | 157.2 | 5.47       | 4.55       | 1480. |
| 225   | 6.47  | 33.82 | 223   | 26.58      | 149.5 | 5.86       | 5.38       | 1479. |
| 250   | 6.15  | 33.85 | 248   | 26.65      | 143.5 | 6.22       | 6.26       | 1478. |
| 300   | 5.50  | 33.84 | 298   | 26.72      | 136.4 | 6.92       | 8.22       | 1476. |
| 400   | 5.02  | 33.92 | 397   | 26.84      | 125.9 | 8.23       | 12.88      | 1476. |
| 500   | 4.52  | 33.99 | 496   | 26.96      | 115.7 | 9.43       | 18.38      | 1476. |
| 600   | 4.13  | 34.09 | 595   | 27.07      | 105.0 | 10.54      | 24.58      | 1476. |
| 800   | 3.69  | 34.19 | 793   | 27.20      | 94.3  | 12.55      | 38.93      | 1478. |
| 1000  | 3.32  | 34.28 | 990   | 27.30      | 84.9  | 14.35      | 55.34      | 1479. |
| 1200  | 2.92  | 34.35 | 1188  | 27.40      | 76.6  | 15.96      | 73.36      | 1481. |

90

TEMPERATURE, C



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 44

DATE 10/ 9/83

POSITION 52-51.2N, 132-59.1W

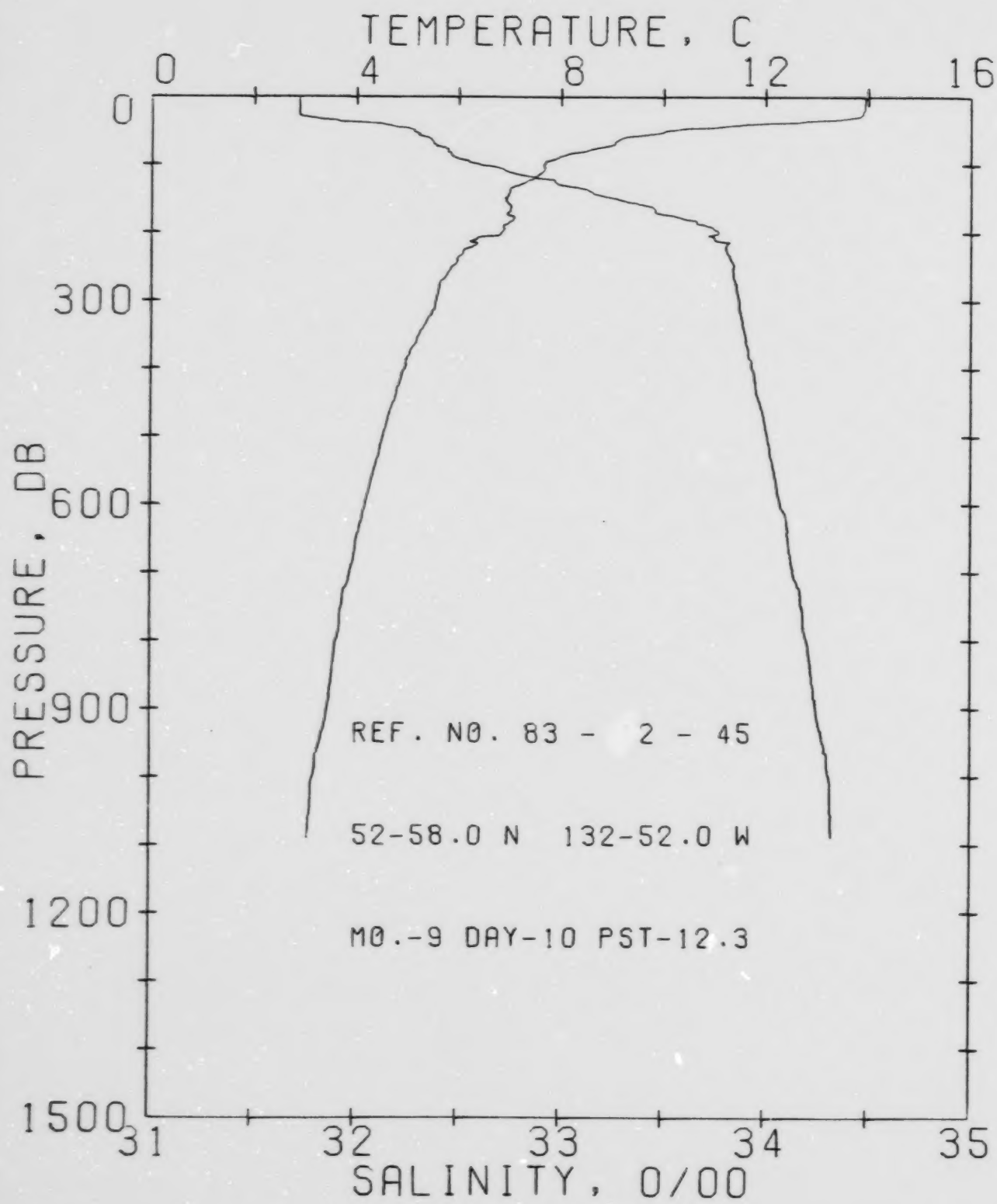
7.6

STATION C 4

RESULTS OF STP CAST 1121 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.32 | 31.93 | 0     | 23.78      | 413.4 | .00        | .00        | 1501. |
| 10    | 14.32 | 31.93 | 10    | 23.78      | 413.6 | .41        | .02        | 1502. |
| 20    | 14.32 | 31.93 | 20    | 23.77      | 413.9 | .83        | .08        | 1502. |
| 30    | 14.32 | 31.93 | 30    | 23.77      | 414.3 | 1.24       | .19        | 1502. |
| 50    | 10.61 | 32.11 | 50    | 24.62      | 334.0 | 2.03       | .51        | 1490. |
| 75    | 8.74  | 32.42 | 75    | 25.17      | 282.1 | 2.78       | .98        | 1484. |
| 100   | 7.65  | 32.51 | 99    | 25.40      | 260.3 | 3.45       | 1.58       | 1480. |
| 125   | 7.14  | 32.87 | 124   | 25.75      | 227.4 | 4.07       | 2.28       | 1479. |
| 150   | 7.09  | 33.25 | 149   | 26.05      | 198.7 | 4.60       | 3.03       | 1480. |
| 175   | 7.04  | 33.63 | 174   | 26.36      | 170.0 | 5.06       | 3.78       | 1480. |
| 200   | 6.73  | 33.75 | 199   | 26.49      | 157.8 | 5.46       | 4.56       | 1480. |
| 225   | 6.34  | 33.80 | 223   | 26.58      | 149.2 | 5.84       | 5.39       | 1479. |
| 250   | 6.13  | 33.82 | 248   | 26.63      | 145.1 | 6.21       | 6.28       | 1478. |
| 300   | 5.53  | 33.86 | 298   | 26.73      | 135.6 | 6.91       | 8.23       | 1477. |
| 400   | 5.02  | 33.92 | 397   | 26.84      | 126.0 | 8.22       | 12.89      | 1476. |
| 500   | 4.51  | 34.00 | 496   | 26.96      | 114.9 | 9.42       | 18.38      | 1476. |
| 600   | 4.21  | 34.07 | 595   | 27.05      | 107.3 | 10.53      | 24.61      | 1476. |
| 800   | 3.71  | 34.19 | 793   | 27.19      | 95.0  | 12.54      | 38.93      | 1478. |
| 1000  | 3.35  | 34.27 | 990   | 27.30      | 85.8  | 14.35      | 55.44      | 1480. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 45

DATE 10/ 9/83

POSITION 52-58.0N, 132-52.0W

12.3

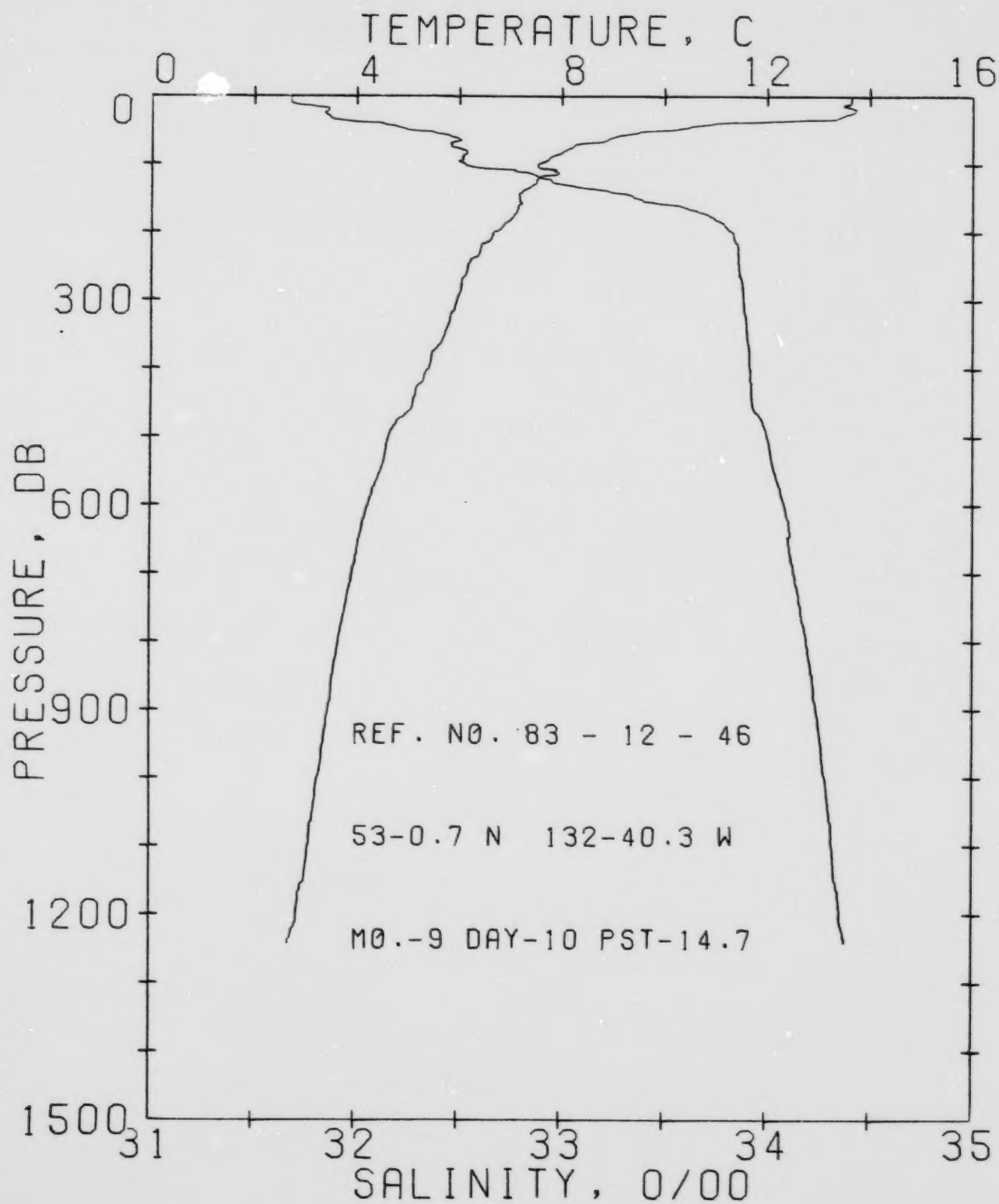
STATION C 3

RESULTS OF STP CAST 1090 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.95 | 31.72 | 0     | 23.69      | 421.5 | .00        | .00        | 1500. |
| 10    | 13.94 | 31.72 | 10    | 23.69      | 421.8 | .42        | .02        | 1500. |
| 20    | 13.92 | 31.72 | 20    | 23.70      | 421.4 | .84        | .09        | 1500. |
| 30    | 13.72 | 31.75 | 30    | 23.76      | 415.3 | 1.26       | .19        | 1500. |
| 50    | 10.05 | 32.29 | 50    | 24.85      | 311.7 | 1.98       | .48        | 1488. |
| 75    | 8.70  | 32.44 | 75    | 25.18      | 280.4 | 2.72       | .95        | 1483. |
| 100   | 7.66  | 32.61 | 99    | 25.47      | 253.5 | 3.39       | 1.54       | 1480. |
| 125   | 7.31  | 32.97 | 124   | 25.80      | 222.2 | 3.98       | 2.23       | 1480. |
| 150   | 6.94  | 33.28 | 149   | 26.10      | 194.4 | 4.50       | 2.95       | 1479. |
| 175   | 7.08  | 33.55 | 174   | 26.29      | 176.5 | 4.97       | 3.72       | 1480. |
| 200   | 6.84  | 33.77 | 199   | 26.50      | 157.3 | 5.38       | 4.51       | 1480. |
| 225   | 6.11  | 33.80 | 223   | 26.62      | 145.9 | 5.76       | 5.32       | 1478. |
| 250   | 5.87  | 33.84 | 248   | 26.68      | 140.3 | 6.11       | 6.19       | 1477. |
| 300   | 5.56  | 33.87 | 298   | 26.74      | 135.2 | 6.80       | 8.12       | 1477. |
| 400   | 4.97  | 33.93 | 397   | 26.86      | 124.6 | 8.10       | 12.74      | 1476. |
| 500   | 4.54  | 34.01 | 496   | 26.96      | 114.9 | 9.30       | 18.21      | 1476. |
| 600   | 4.20  | 34.07 | 595   | 27.05      | 107.2 | 10.41      | 24.43      | 1476. |
| 800   | 3.63  | 34.20 | 793   | 27.21      | 92.8  | 12.40      | 38.58      | 1477. |
| 1000  | 3.17  | 34.31 | 990   | 27.34      | 81.1  | 14.15      | 54.61      | 1479. |

94



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 46

DATE 10/ 9/83

POSITION 53- .7N, 132-40.3W

14.7

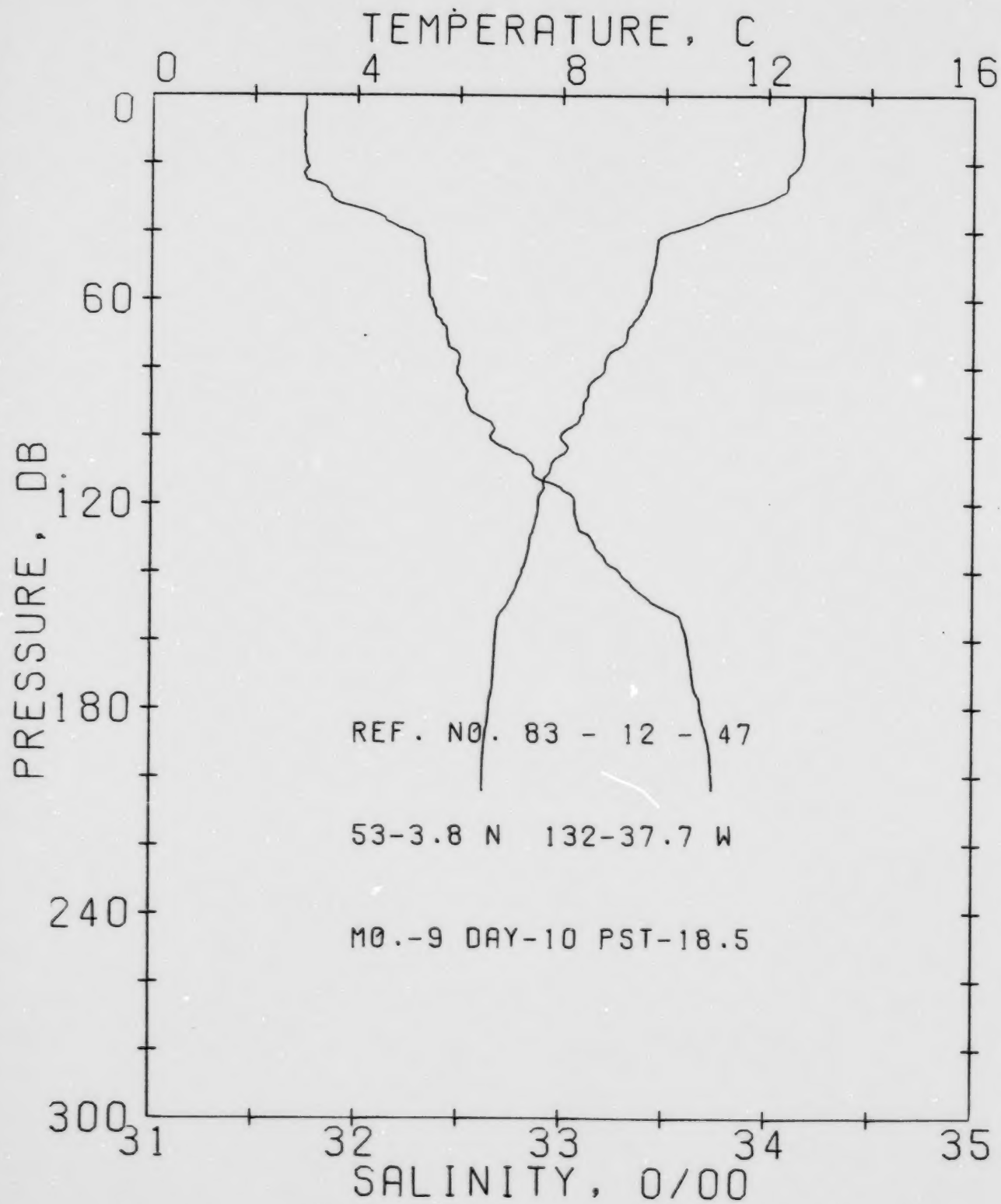
STATION C 2

RESULTS OF STP CAST 1242 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.65 | 31.68 | 0     | 23.72      | 418.5 | .00        | .00        | 1499. |
| 10    | 13.64 | 31.68 | 10    | 23.72      | 418.5 | .42        | .02        | 1499. |
| 20    | 13.74 | 31.87 | 20    | 23.85      | 407.2 | .83        | .08        | 1500. |
| 30    | 13.44 | 31.87 | 30    | 23.91      | 401.3 | 1.23       | .19        | 1499. |
| 50    | 9.91  | 32.26 | 50    | 24.85      | 311.4 | 1.94       | .47        | 1487. |
| 75    | 8.22  | 32.46 | 75    | 25.28      | 271.5 | 2.64       | .92        | 1482. |
| 100   | 7.53  | 32.53 | 99    | 25.43      | 257.2 | 3.30       | 1.50       | 1480. |
| 125   | 7.52  | 32.95 | 124   | 25.76      | 226.2 | 3.90       | 2.19       | 1480. |
| 150   | 7.17  | 33.38 | 149   | 26.14      | 190.5 | 4.42       | 2.91       | 1480. |
| 175   | 7.08  | 33.72 | 174   | 26.42      | 164.0 | 4.86       | 3.64       | 1481. |
| 200   | 6.68  | 33.84 | 199   | 26.57      | 150.4 | 5.25       | 4.39       | 1480. |
| 225   | 6.43  | 33.86 | 223   | 26.62      | 145.7 | 5.62       | 5.19       | 1479. |
| 250   | 6.18  | 33.86 | 248   | 26.66      | 142.6 | 5.98       | 6.07       | 1478. |
| 300   | 5.96  | 33.89 | 298   | 26.70      | 138.9 | 6.69       | 8.04       | 1478. |
| 400   | 5.42  | 33.92 | 397   | 26.79      | 130.9 | 8.04       | 12.84      | 1478. |
| 500   | 4.63  | 34.00 | 496   | 26.95      | 116.6 | 9.28       | 18.55      | 1476. |
| 600   | 4.23  | 34.08 | 595   | 27.06      | 106.7 | 10.40      | 24.82      | 1476. |
| 800   | 3.67  | 34.19 | 793   | 27.20      | 93.9  | 12.41      | 39.07      | 1477. |
| 1000  | 3.27  | 34.29 | 990   | 27.31      | 83.9  | 14.18      | 55.34      | 1479. |
| 1200  | 2.87  | 34.36 | 1188  | 27.41      | 75.5  | 15.78      | 73.21      | 1481. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 47

DATE 10/ 9/83

POSITION 53- 3.8N, 132-37.7W

18.5

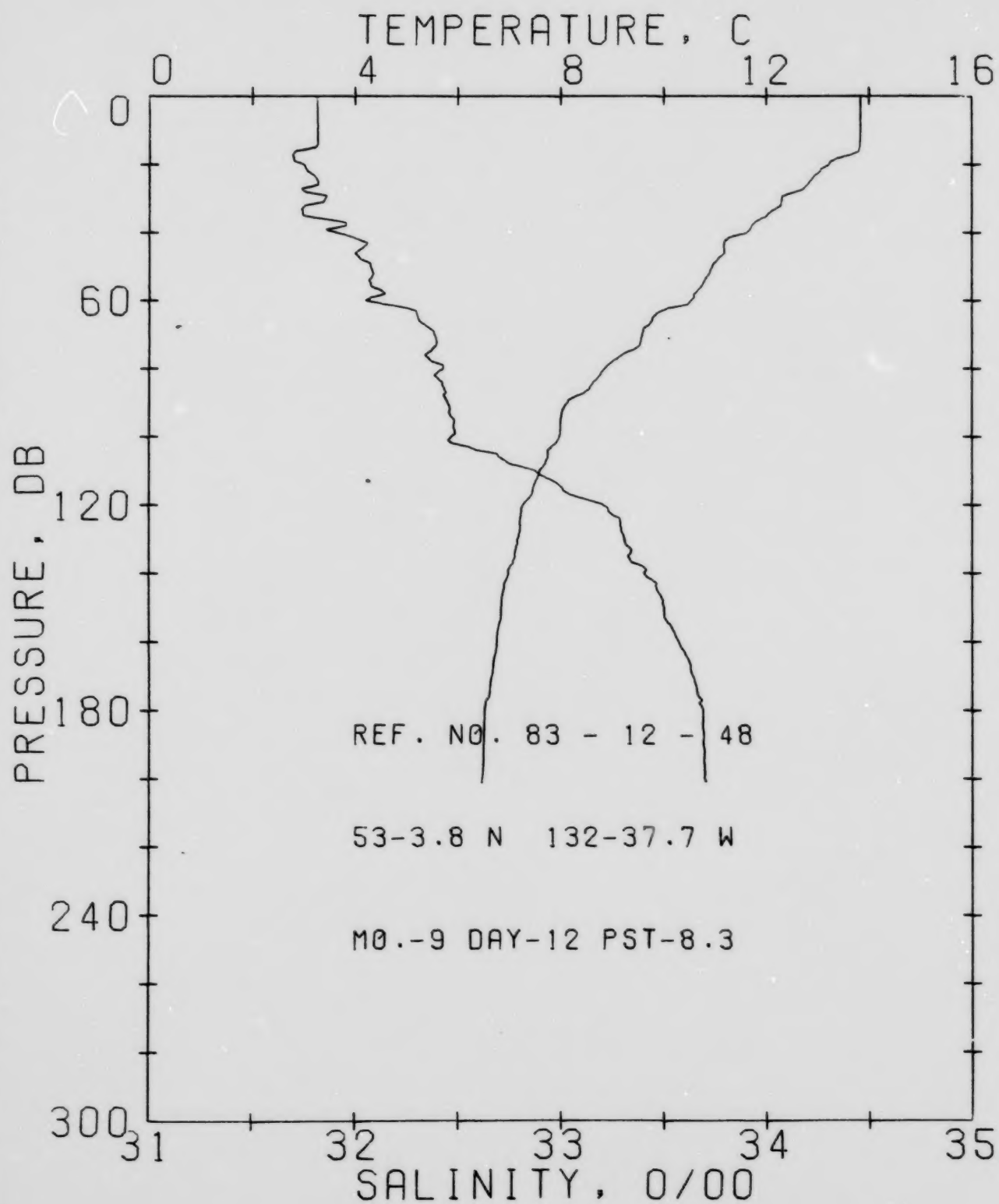
STATION C 1

RESULTS OF STP CAST 205 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.70 | 31.75 | 0     | 23.96      | 395.8 | .00        | .00        | 1496. |
| 10    | 12.66 | 31.74 | 10    | 23.96      | 395.6 | .40        | .02        | 1496. |
| 20    | 12.63 | 31.75 | 20    | 23.98      | 394.6 | .79        | .08        | 1496. |
| 30    | 12.12 | 31.88 | 30    | 24.17      | 376.5 | 1.18       | .18        | 1494. |
| 50    | 9.79  | 32.34 | 50    | 24.94      | 303.7 | 1.83       | .44        | 1487. |
| 75    | 8.96  | 32.49 | 75    | 25.18      | 280.4 | 2.57       | .91        | 1485. |
| 100   | 7.96  | 32.65 | 99    | 25.46      | 254.5 | 3.24       | 1.51       | 1481. |
| 125   | 7.50  | 33.07 | 124   | 25.86      | 217.0 | 3.82       | 2.17       | 1481. |
| 150   | 6.93  | 33.47 | 149   | 26.25      | 180.1 | 4.33       | 2.88       | 1479. |
| 175   | 6.66  | 33.65 | 174   | 26.43      | 163.5 | 4.75       | 3.57       | 1479. |
| 200   | 6.48  | 33.73 | 199   | 26.51      | 155.6 | 5.14       | 4.33       | 1479. |

98



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 48

DATE 12/ 9/83

POSITION 53- 3.8N, 132-37.7W

8.3

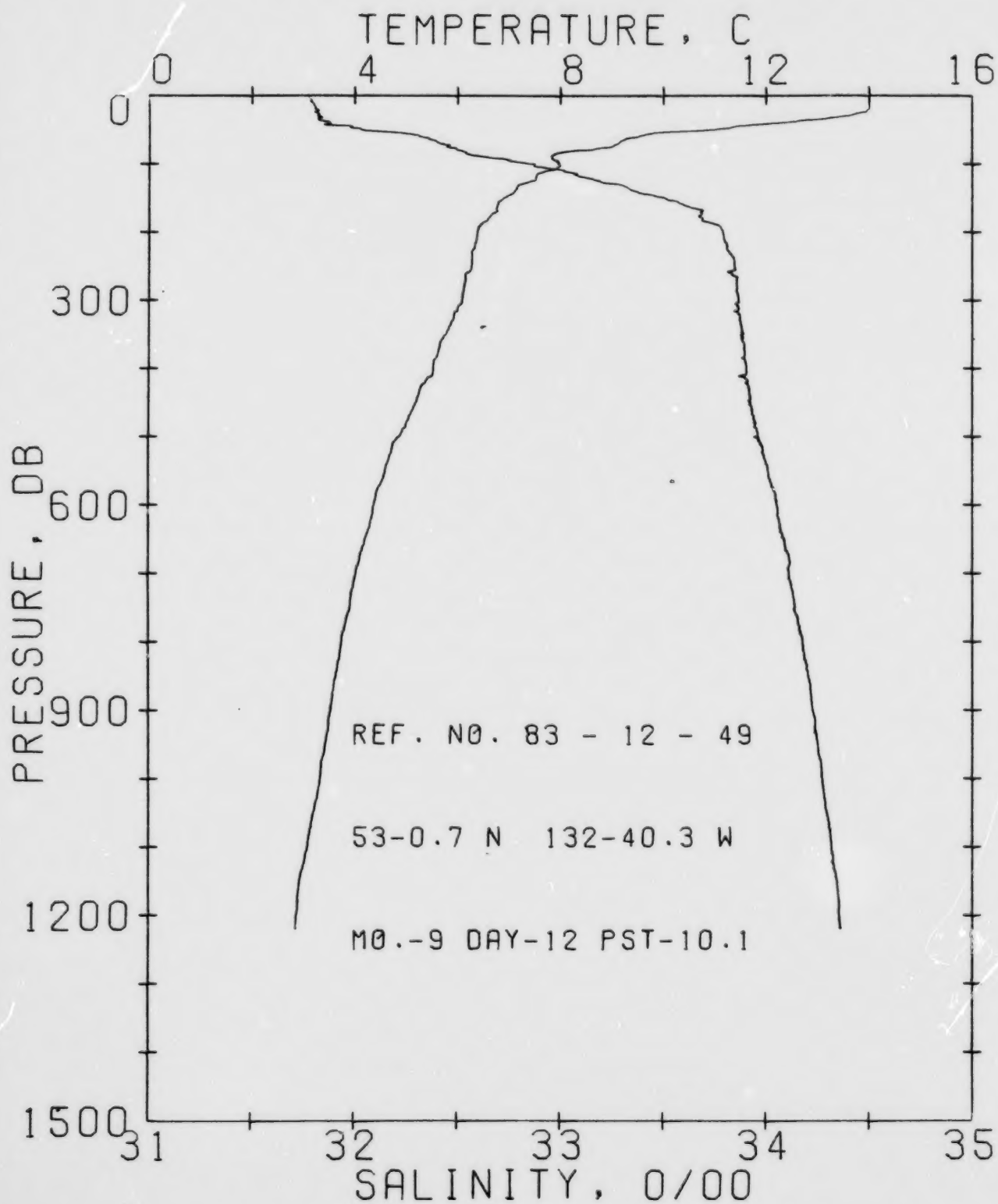
STATION C 1

RESULTS OF STP CAST 202 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.84 | 31.82 | 0     | 23.79      | 412.1 | .00        | .00        | 1500. |
| 10    | 13.84 | 31.82 | 10    | 23.79      | 412.4 | .41        | .02        | 1500. |
| 20    | 13.23 | 31.76 | 20    | 23.86      | 405.6 | .83        | .08        | 1498. |
| 30    | 12.31 | 31.85 | 30    | 24.12      | 381.6 | 1.22       | .18        | 1495. |
| 50    | 10.95 | 32.08 | 50    | 24.54      | 341.9 | 1.95       | .48        | 1491. |
| 75    | 9.29  | 32.36 | 75    | 25.03      | 294.9 | 2.74       | .98        | 1486. |
| 100   | 7.98  | 32.47 | 99    | 25.31      | 268.2 | 3.44       | 1.60       | 1481. |
| 125   | 7.21  | 33.29 | 124   | 26.07      | 196.7 | 4.01       | 2.25       | 1480. |
| 150   | 6.85  | 33.50 | 149   | 26.28      | 176.9 | 4.48       | 2.91       | 1479. |
| 175   | 6.63  | 33.67 | 174   | 26.44      | 162.1 | 4.90       | 3.61       | 1479. |
| 200   | 6.48  | 33.70 | 199   | 26.48      | 158.3 | 5.30       | 4.37       | 1479. |

100



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 49

DATE 12/ 9/83

POSITION 53- .7N, 132-40.3W

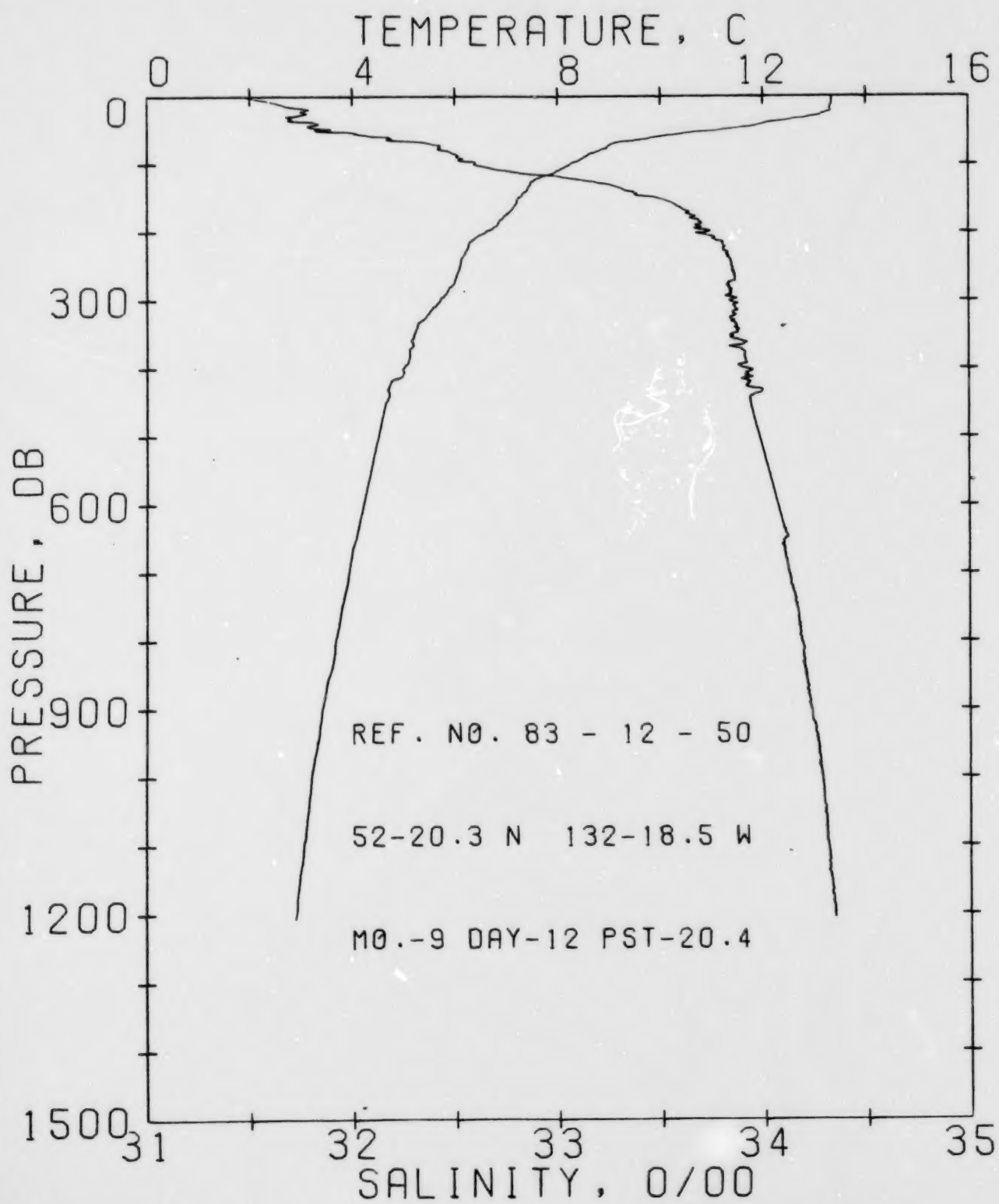
10.1

STATION C 2

RESULTS OF STP CAST 1217 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.02 | 31.78 | 0     | 23.72      | 418.4 | .00        | .00        | 1500. |
| 10    | 14.00 | 31.79 | 10    | 23.73      | 417.5 | .42        | .02        | 1500. |
| 20    | 13.99 | 31.81 | 20    | 23.75      | 416.5 | .83        | .08        | 1501. |
| 30    | 13.51 | 31.82 | 30    | 23.85      | 406.5 | 1.25       | .19        | 1499. |
| 50    | 10.88 | 32.03 | 50    | 24.51      | 344.1 | 2.00       | .49        | 1491. |
| 75    | 8.97  | 32.44 | 75    | 25.14      | 284.1 | 2.75       | .97        | 1484. |
| 100   | 7.97  | 32.88 | 99    | 25.64      | 237.3 | 3.39       | 1.54       | 1482. |
| 125   | 7.43  | 33.20 | 124   | 25.96      | 206.8 | 3.95       | 2.18       | 1480. |
| 150   | 6.91  | 33.51 | 149   | 26.28      | 177.0 | 4.43       | 2.85       | 1479. |
| 175   | 6.67  | 33.68 | 174   | 26.45      | 161.4 | 4.85       | 3.54       | 1479. |
| 200   | 6.40  | 33.79 | 199   | 26.57      | 150.2 | 5.24       | 4.28       | 1478. |
| 225   | 6.32  | 33.81 | 223   | 26.59      | 148.2 | 5.61       | 5.09       | 1478. |
| 250   | 6.29  | 33.85 | 248   | 26.63      | 145.2 | 5.97       | 5.97       | 1479. |
| 300   | 6.10  | 33.87 | 298   | 26.67      | 142.2 | 6.69       | 7.98       | 1479. |
| 400   | 5.54  | 33.91 | 397   | 26.77      | 133.3 | 8.07       | 12.88      | 1478. |
| 500   | 4.86  | 33.96 | 496   | 26.89      | 122.3 | 9.35       | 18.75      | 1477. |
| 600   | 4.38  | 34.05 | 595   | 27.02      | 110.9 | 10.51      | 25.24      | 1477. |
| 800   | 3.74  | 34.18 | 793   | 27.18      | 95.9  | 12.58      | 39.93      | 1478. |
| 1000  | 3.33  | 34.27 | 990   | 27.30      | 85.7  | 14.39      | 56.51      | 1479. |
| 1200  | 2.87  | 34.36 | 1188  | 27.41      | 75.5  | 15.99      | 74.41      | 1481. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 50

DATE 12/ 9/83

POSITION 52-20.3N, 132-18.5W

20.4

STATION Q96

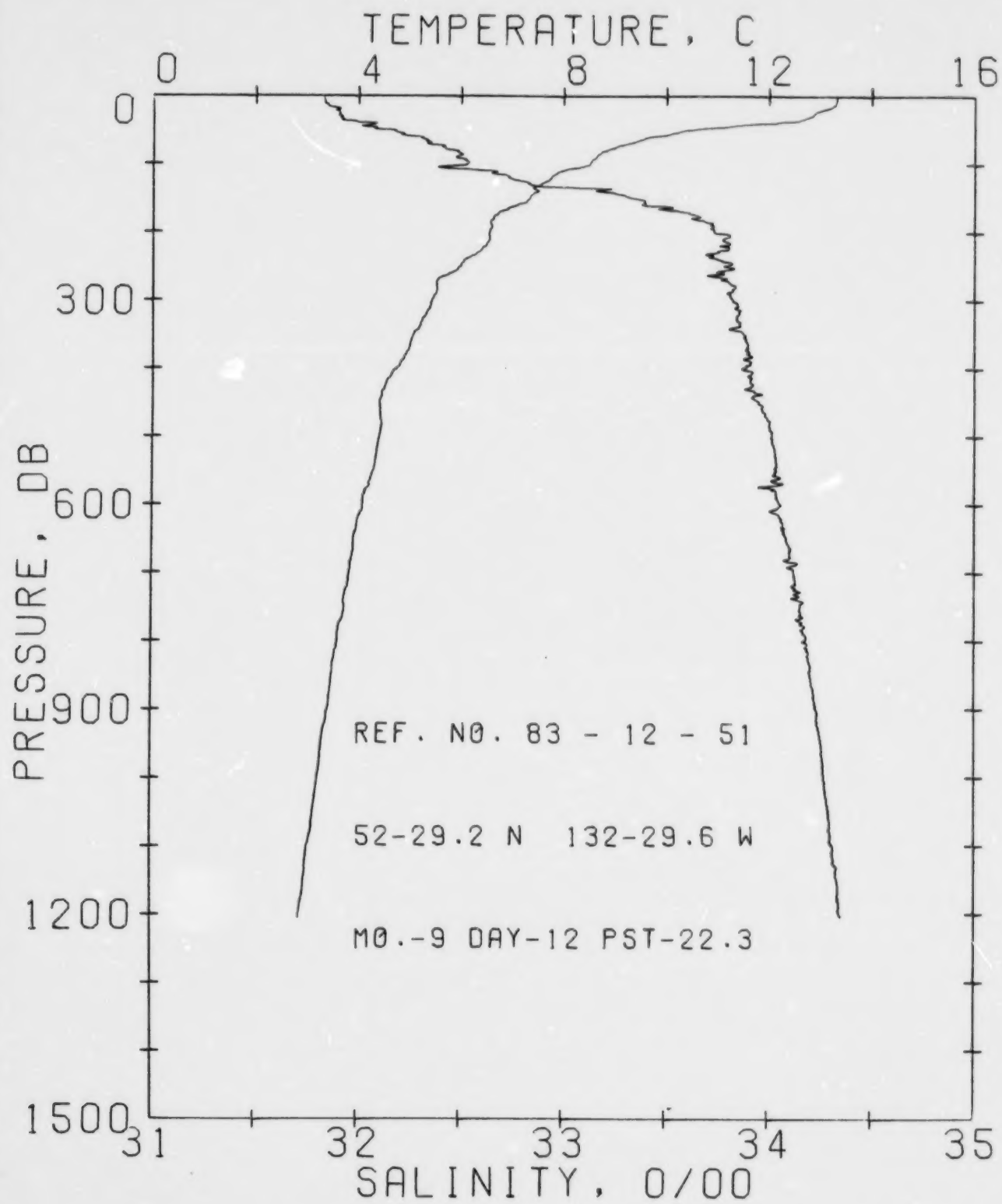
RESULTS OF STP CAST 1024 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.35 | 31.49 | 0     | 23.64      | 426.6 | .00        | .00        | 1498. |
| 10    | 13.35 | 31.63 | 10    | 23.74      | 416.7 | .42        | .02        | 1498. |
| 20    | 13.34 | 31.78 | 20    | 23.86      | 406.0 | .83        | .08        | 1498. |
| 30    | 12.89 | 31.68 | 30    | 23.87      | 405.3 | 1.24       | .19        | 1497. |
| 50    | 11.18 | 31.82 | 50    | 24.30      | 364.5 | 2.00       | .50        | 1491. |
| 75    | 8.99  | 32.42 | 75    | 25.12      | 286.2 | 2.79       | .99        | 1485. |
| 100   | 8.26  | 32.60 | 99    | 25.38      | 262.4 | 3.47       | 1.60       | 1482. |
| 125   | 7.51  | 33.18 | 124   | 25.94      | 209.4 | 4.07       | 2.28       | 1481. |
| 150   | 7.25  | 33.49 | 149   | 26.22      | 182.8 | 4.56       | 2.97       | 1480. |
| 175   | 7.00  | 33.65 | 174   | 26.38      | 168.0 | 5.00       | 3.69       | 1480. |
| 200   | 6.62  | 33.72 | 199   | 26.48      | 158.7 | 5.41       | 4.47       | 1479. |
| 225   | 6.25  | 33.81 | 224   | 26.61      | 147.0 | 5.78       | 5.29       | 1478. |
| 250   | 6.12  | 33.84 | 248   | 26.65      | 143.4 | 6.15       | 6.17       | 1478. |
| 300   | 5.72  | 33.83 | 298   | 26.69      | 139.8 | 6.85       | 8.15       | 1477. |
| 400   | 4.98  | 33.93 | 397   | 26.86      | 124.6 | 8.17       | 12.84      | 1476. |
| 500   | 4.51  | 33.98 | 496   | 26.95      | 116.4 | 9.38       | 18.35      | 1476. |
| 600   | 4.21  | 34.07 | 595   | 27.05      | 107.4 | 10.49      | 24.60      | 1476. |
| 800   | 3.66  | 34.18 | 793   | 27.19      | 94.6  | 12.51      | 38.93      | 1477. |
| 1000  | 3.19  | 34.28 | 990   | 27.32      | 83.3  | 14.29      | 55.19      | 1479. |
| 1200  | 2.89  | 34.34 | 1188  | 27.39      | 77.1  | 15.89      | 73.15      | 1481. |



104



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 51

DATE 12/ 9/83

POSITION 52-29.2N, 132-29.6W

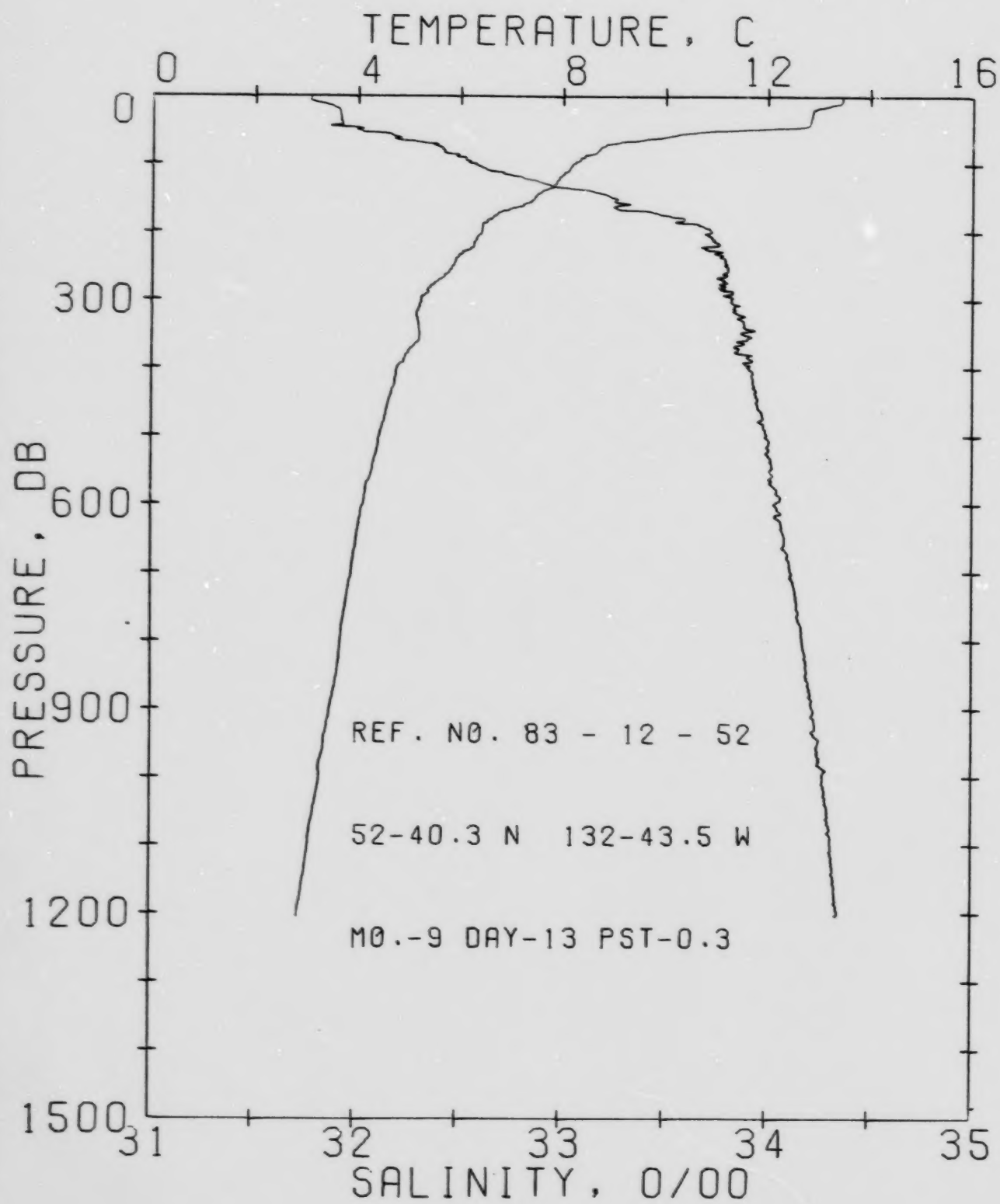
22.3

STATION Q97

RESULTS OF STP CAST 1205 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.33 | 31.83 | 0     | 23.90      | 401.2 | .00        | .00        | 1498. |
| 10    | 13.31 | 31.84 | 10    | 23.91      | 400.6 | .40        | .02        | 1498. |
| 20    | 13.04 | 31.90 | 20    | 24.01      | 391.3 | .80        | .08        | 1497. |
| 30    | 12.82 | 31.92 | 30    | 24.07      | 386.2 | 1.19       | .18        | 1497. |
| 50    | 10.38 | 32.17 | 50    | 24.70      | 325.8 | 1.91       | .47        | 1489. |
| 75    | 9.03  | 32.41 | 75    | 25.11      | 287.5 | 2.67       | .96        | 1485. |
| 100   | 8.53  | 32.53 | 99    | 25.28      | 271.4 | 3.36       | 1.57       | 1483. |
| 125   | 7.68  | 32.80 | 124   | 25.62      | 239.6 | 4.00       | 2.30       | 1481. |
| 150   | 7.36  | 33.34 | 149   | 26.08      | 195.8 | 4.54       | 3.06       | 1481. |
| 175   | 6.67  | 33.66 | 174   | 26.43      | 163.3 | 4.99       | 3.80       | 1479. |
| 200   | 6.56  | 33.73 | 199   | 26.50      | 156.7 | 5.39       | 4.56       | 1479. |
| 225   | 6.41  | 33.80 | 223   | 26.58      | 149.8 | 5.77       | 5.39       | 1479. |
| 250   | 5.99  | 33.79 | 248   | 26.62      | 145.7 | 6.15       | 6.29       | 1478. |
| 300   | 5.45  | 33.82 | 298   | 26.71      | 137.2 | 6.85       | 8.27       | 1476. |
| 400   | 4.75  | 33.86 | 397   | 26.83      | 127.2 | 8.16       | 12.90      | 1475. |
| 500   | 4.42  | 34.02 | 496   | 26.98      | 113.0 | 9.33       | 18.30      | 1475. |
| 600   | 4.09  | 34.06 | 595   | 27.06      | 106.6 | 10.44      | 24.49      | 1476. |
| 800   | 3.61  | 34.17 | 793   | 27.19      | 94.8  | 12.45      | 38.82      | 1477. |
| 1000  | 3.23  | 34.27 | 990   | 27.30      | 84.7  | 14.23      | 55.11      | 1479. |
| 1200  | 2.88  | 34.35 | 1188  | 27.40      | 76.1  | 15.84      | 73.10      | 1481. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 52

DATE 13/ 9/83

POSITION 52-40.3N, 132-43.5W

.3

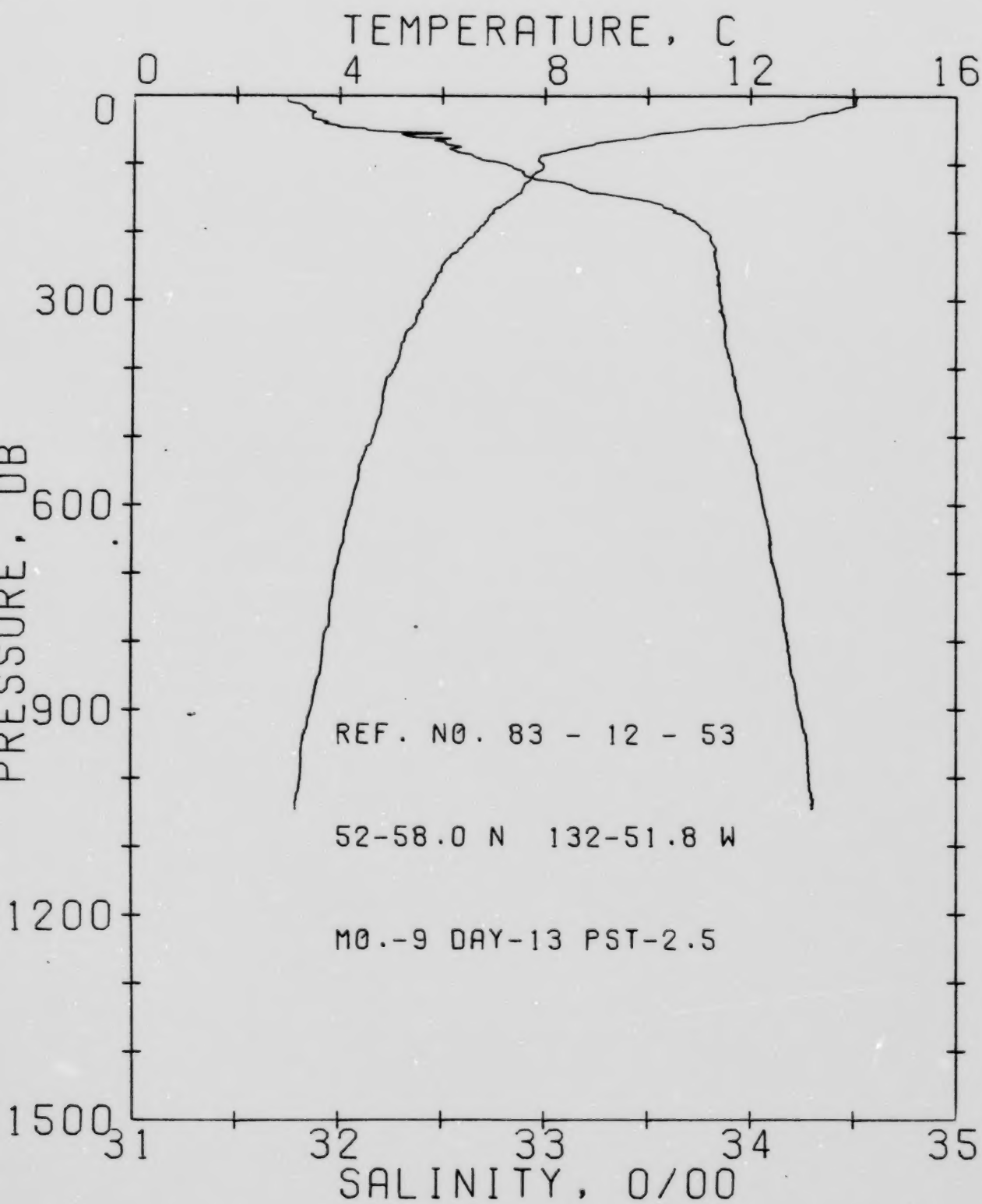
STATION Q16

RESULTS OF STP CAST 1205 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.46 | 31.77 | 0     | 23.83      | 408.0 | .00        | .00        | 1498. |
| 10    | 13.43 | 31.81 | 10    | 23.87      | 405.0 | .41        | .02        | 1498. |
| 20    | 12.89 | 31.91 | 20    | 24.05      | 387.7 | .80        | .08        | 1497. |
| 30    | 12.86 | 31.91 | 30    | 24.06      | 387.3 | 1.19       | .18        | 1497. |
| 50    | 11.01 | 32.01 | 50    | 24.47      | 348.2 | 1.95       | .49        | 1491. |
| 75    | 8.76  | 32.40 | 75    | 25.15      | 284.0 | 2.73       | .98        | 1484. |
| 100   | 8.20  | 32.57 | 99    | 25.37      | 263.4 | 3.41       | 1.59       | 1482. |
| 125   | 7.89  | 32.88 | 124   | 25.65      | 236.4 | 4.04       | 2.31       | 1482. |
| 150   | 7.45  | 33.27 | 149   | 26.02      | 202.2 | 4.59       | 3.07       | 1481. |
| 175   | 6.68  | 33.52 | 174   | 26.32      | 173.5 | 5.07       | 3.87       | 1479. |
| 200   | 6.43  | 33.73 | 199   | 26.51      | 155.5 | 5.48       | 4.65       | 1478. |
| 225   | 6.22  | 33.71 | 224   | 26.53      | 154.5 | 5.86       | 5.48       | 1478. |
| 250   | 5.86  | 33.81 | 248   | 26.65      | 142.9 | 6.23       | 6.37       | 1477. |
| 300   | 5.25  | 33.83 | 298   | 26.74      | 134.8 | 6.93       | 8.33       | 1475. |
| 400   | 4.77  | 33.91 | 397   | 26.86      | 123.7 | 8.23       | 12.95      | 1475. |
| 500   | 4.44  | 33.99 | 496   | 26.96      | 115.1 | 9.42       | 18.41      | 1476. |
| 600   | 4.13  | 34.03 | 595   | 27.02      | 109.6 | 10.53      | 24.65      | 1476. |
| 800   | 3.70  | 34.17 | 793   | 27.18      | 95.7  | 12.56      | 39.07      | 1478. |
| 1000  | 3.30  | 34.28 | 990   | 27.30      | 85.1  | 14.37      | 55.62      | 1479. |
| 1200  | 2.88  | 34.35 | 1188  | 27.40      | 76.1  | 15.98      | 73.65      | 1481. |

108



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 53

DATE 13/ 9/83

POSITION 52-58.0N, 132-51.8W

2.5

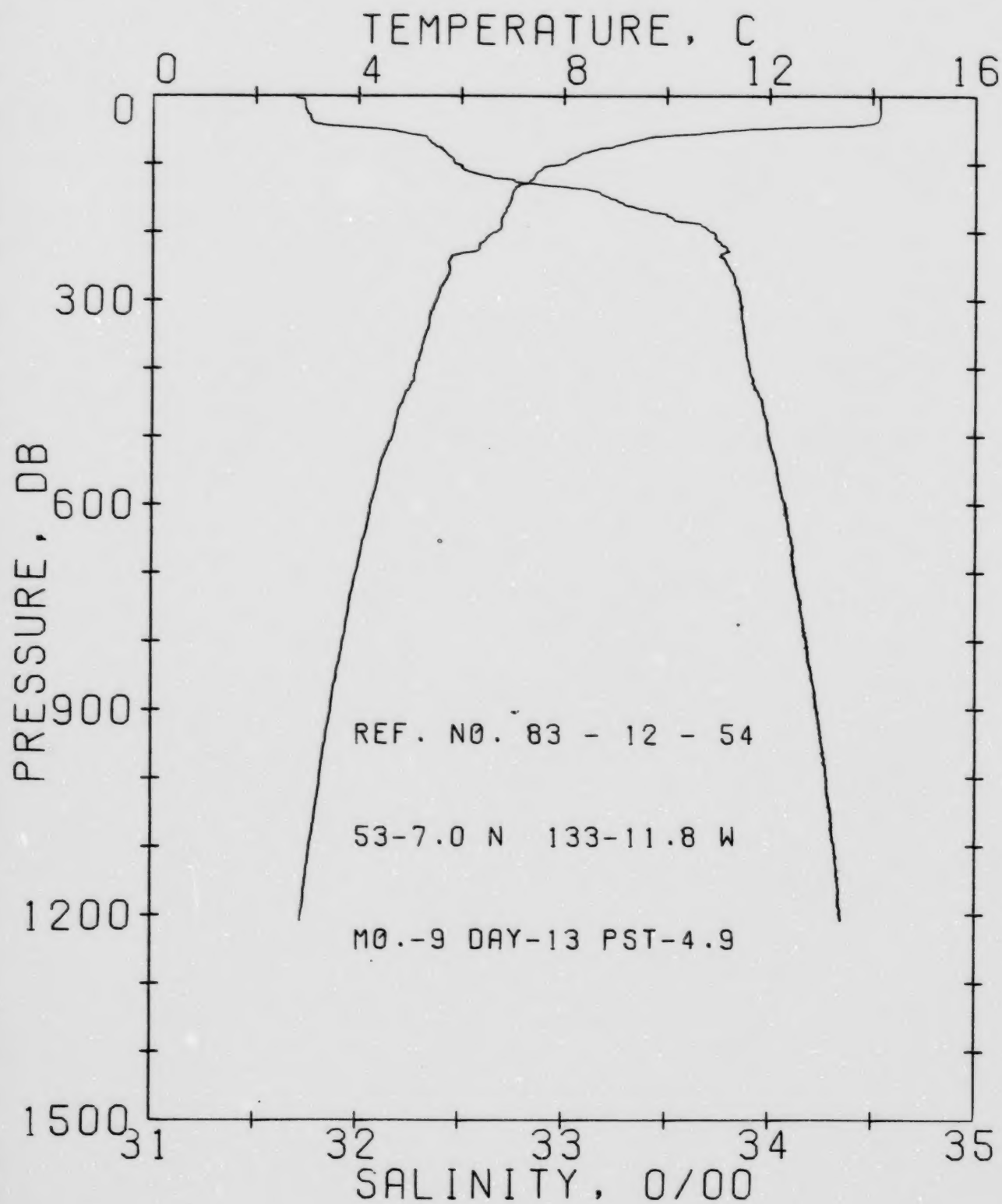
STATION C 3

RESULTS OF STP CAST 1046 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.07 | 31.75 | 0     | 23.69      | 422.0 | .00        | .00        | 1500. |
| 10    | 14.06 | 31.77 | 10    | 23.71      | 419.9 | .42        | .02        | 1501. |
| 20    | 13.73 | 31.85 | 20    | 23.83      | 408.2 | .84        | .08        | 1500. |
| 30    | 13.14 | 31.87 | 30    | 23.97      | 395.9 | 1.24       | .19        | 1498. |
| 50    | 10.83 | 32.13 | 50    | 24.60      | 335.7 | 1.98       | .49        | 1491. |
| 75    | 8.66  | 32.59 | 75    | 25.31      | 268.7 | 2.72       | .95        | 1484. |
| 100   | 7.96  | 32.82 | 99    | 25.59      | 242.1 | 3.36       | 1.52       | 1482. |
| 125   | 7.69  | 33.02 | 124   | 25.79      | 223.3 | 3.95       | 2.20       | 1481. |
| 150   | 7.37  | 33.43 | 149   | 26.16      | 188.9 | 4.47       | 2.92       | 1481. |
| 175   | 6.94  | 33.68 | 174   | 26.41      | 165.4 | 4.90       | 3.65       | 1480. |
| 200   | 6.65  | 33.79 | 199   | 26.54      | 153.2 | 5.30       | 4.41       | 1479. |
| 225   | 6.34  | 33.83 | 223   | 26.61      | 146.8 | 5.68       | 5.22       | 1479. |
| 250   | 6.01  | 33.84 | 248   | 26.66      | 142.6 | 6.04       | 6.09       | 1478. |
| 300   | 5.63  | 33.85 | 298   | 26.71      | 137.3 | 6.74       | 8.06       | 1477. |
| 400   | 5.08  | 33.91 | 397   | 26.83      | 127.3 | 8.06       | 12.77      | 1476. |
| 500   | 4.66  | 33.99 | 496   | 26.94      | 117.8 | 9.29       | 18.37      | 1476. |
| 600   | 4.24  | 34.07 | 595   | 27.04      | 108.1 | 10.41      | 24.66      | 1476. |
| 800   | 3.70  | 34.18 | 793   | 27.19      | 95.0  | 12.44      | 39.07      | 1478. |
| 1000  | 3.27  | 34.28 | 990   | 27.31      | 84.1  | 14.22      | 55.35      | 1479. |

110



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 54

DATE 13/ 9/83

POSITION 53- 7.0N, 133-11.8W

4.9

STATION Q76

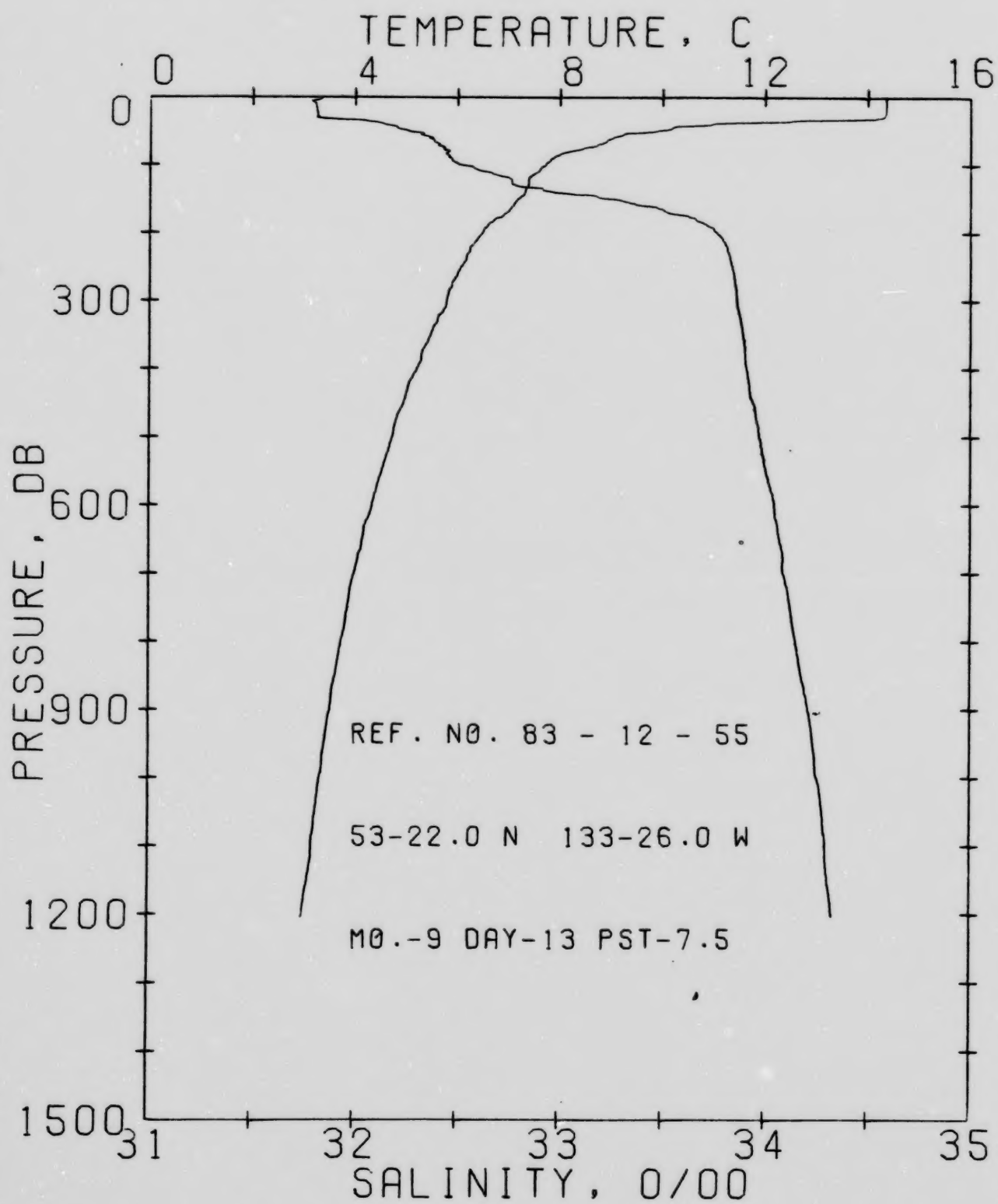
RESULTS OF STP CAST 1207 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.15 | 31.70 | 0     | 23.63      | 427.1 | .00        | .00        | 1501. |
| 10    | 14.15 | 31.74 | 10    | 23.67      | 424.0 | .43        | .02        | 1501. |
| 20    | 14.15 | 31.75 | 20    | 23.67      | 424.0 | .85        | .09        | 1501. |
| 30    | 14.15 | 31.77 | 30    | 23.69      | 422.6 | 1.27       | .19        | 1501. |
| 50    | 11.37 | 32.15 | 50    | 24.52      | 343.7 | 2.08       | .52        | 1492. |
| 75    | 8.95  | 32.38 | 75    | 25.10      | 288.2 | 2.84       | 1.00       | 1484. |
| 100   | 7.98  | 32.47 | 99    | 25.32      | 267.7 | 3.53       | 1.62       | 1481. |
| 125   | 7.36  | 32.77 | 124   | 25.64      | 238.0 | 4.17       | 2.34       | 1480. |
| 150   | 7.00  | 33.23 | 149   | 26.05      | 199.2 | 4.70       | 3.09       | 1479. |
| 175   | 6.84  | 33.50 | 174   | 26.28      | 177.1 | 5.17       | 3.87       | 1479. |
| 200   | 6.64  | 33.73 | 199   | 26.49      | 157.8 | 5.59       | 4.67       | 1479. |
| 225   | 6.36  | 33.80 | 224   | 26.58      | 149.4 | 5.97       | 5.50       | 1479. |
| 250   | 5.78  | 33.80 | 248   | 26.66      | 142.1 | 6.34       | 6.37       | 1477. |
| 300   | 5.54  | 33.86 | 298   | 26.73      | 135.6 | 7.03       | 8.32       | 1477. |
| 400   | 5.13  | 33.91 | 397   | 26.82      | 128.3 | 8.35       | 13.02      | 1477. |
| 500   | 4.68  | 34.00 | 496   | 26.94      | 117.3 | 9.57       | 18.62      | 1476. |
| 600   | 4.26  | 34.08 | 595   | 27.05      | 107.6 | 10.69      | 24.89      | 1477. |
| 800   | 3.73  | 34.19 | 793   | 27.19      | 95.0  | 12.72      | 39.33      | 1478. |
| 1000  | 3.28  | 34.28 | 990   | 27.31      | 84.3  | 14.52      | 55.75      | 1479. |
| 1200  | 2.91  | 34.35 | 1188  | 27.40      | 76.7  | 16.13      | 73.76      | 1481. |



112



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 55

DATE 13/ 9/83

POSITION 53-22.0N, 133-26.0W

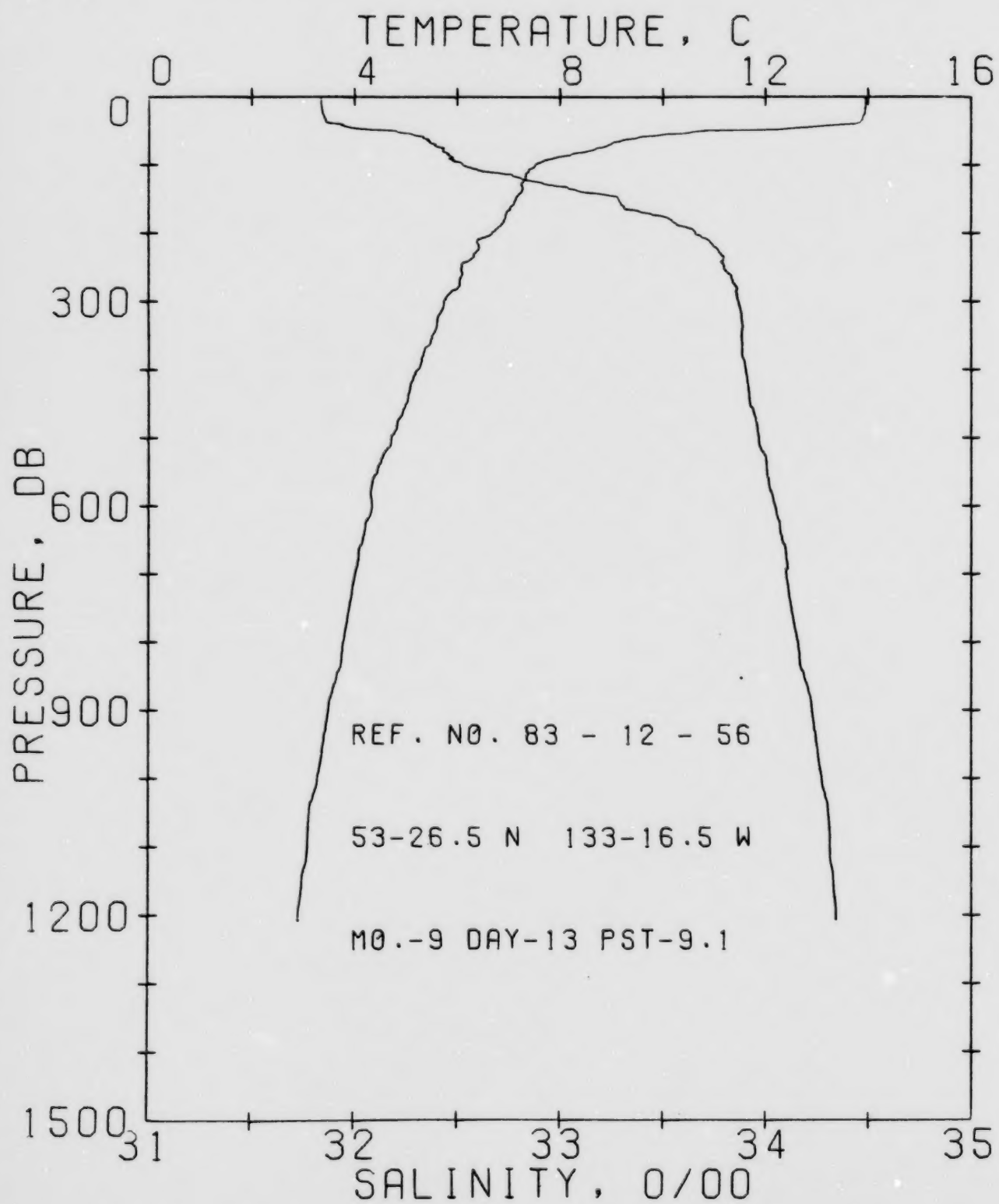
7.5

STATION Q98

RESULTS OF STP CAST 1204 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.36 | 31.84 | 0     | 23.70      | 420.9 | .00        | .00        | 1501. |
| 10    | 14.36 | 31.81 | 10    | 23.68      | 423.1 | .42        | .02        | 1502. |
| 20    | 14.36 | 31.81 | 20    | 23.68      | 423.1 | .85        | .09        | 1502. |
| 30    | 14.21 | 31.81 | 30    | 23.71      | 420.4 | 1.27       | .19        | 1501. |
| 50    | 9.88  | 32.26 | 50    | 24.86      | 311.1 | 1.96       | .47        | 1487. |
| 75    | 8.47  | 32.44 | 75    | 25.22      | 276.8 | 2.68       | .93        | 1483. |
| 100   | 7.73  | 32.53 | 99    | 25.40      | 260.3 | 3.35       | 1.53       | 1480. |
| 125   | 7.40  | 32.77 | 124   | 25.63      | 238.3 | 3.97       | 2.23       | 1480. |
| 150   | 7.19  | 33.28 | 149   | 26.06      | 198.0 | 4.52       | 3.01       | 1480. |
| 175   | 6.90  | 33.63 | 174   | 26.38      | 168.3 | 4.98       | 3.77       | 1480. |
| 200   | 6.51  | 33.77 | 199   | 26.54      | 153.2 | 5.38       | 4.52       | 1479. |
| 225   | 6.26  | 33.82 | 223   | 26.61      | 146.8 | 5.75       | 5.33       | 1478. |
| 250   | 6.08  | 33.84 | 248   | 26.65      | 142.9 | 6.11       | 6.21       | 1478. |
| 300   | 5.80  | 33.87 | 298   | 26.70      | 138.5 | 6.82       | 8.17       | 1478. |
| 400   | 5.22  | 33.91 | 397   | 26.81      | 129.0 | 8.15       | 12.92      | 1477. |
| 500   | 4.74  | 33.98 | 496   | 26.92      | 119.7 | 9.39       | 18.60      | 1477. |
| 600   | 4.36  | 34.05 | 595   | 27.01      | 110.8 | 10.54      | 25.05      | 1477. |
| 800   | 3.75  | 34.15 | 793   | 27.16      | 97.8  | 12.62      | 39.85      | 1478. |
| 1000  | 3.34  | 34.26 | 990   | 27.28      | 86.9  | 14.46      | 56.66      | 1479. |
| 1200  | 3.01  | 34.33 | 1188  | 27.37      | 79.2  | 16.12      | 75.20      | 1481. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 56

DATE 13/ 9/83

POSITION 53-26.5N, 133-16.5W

9.1

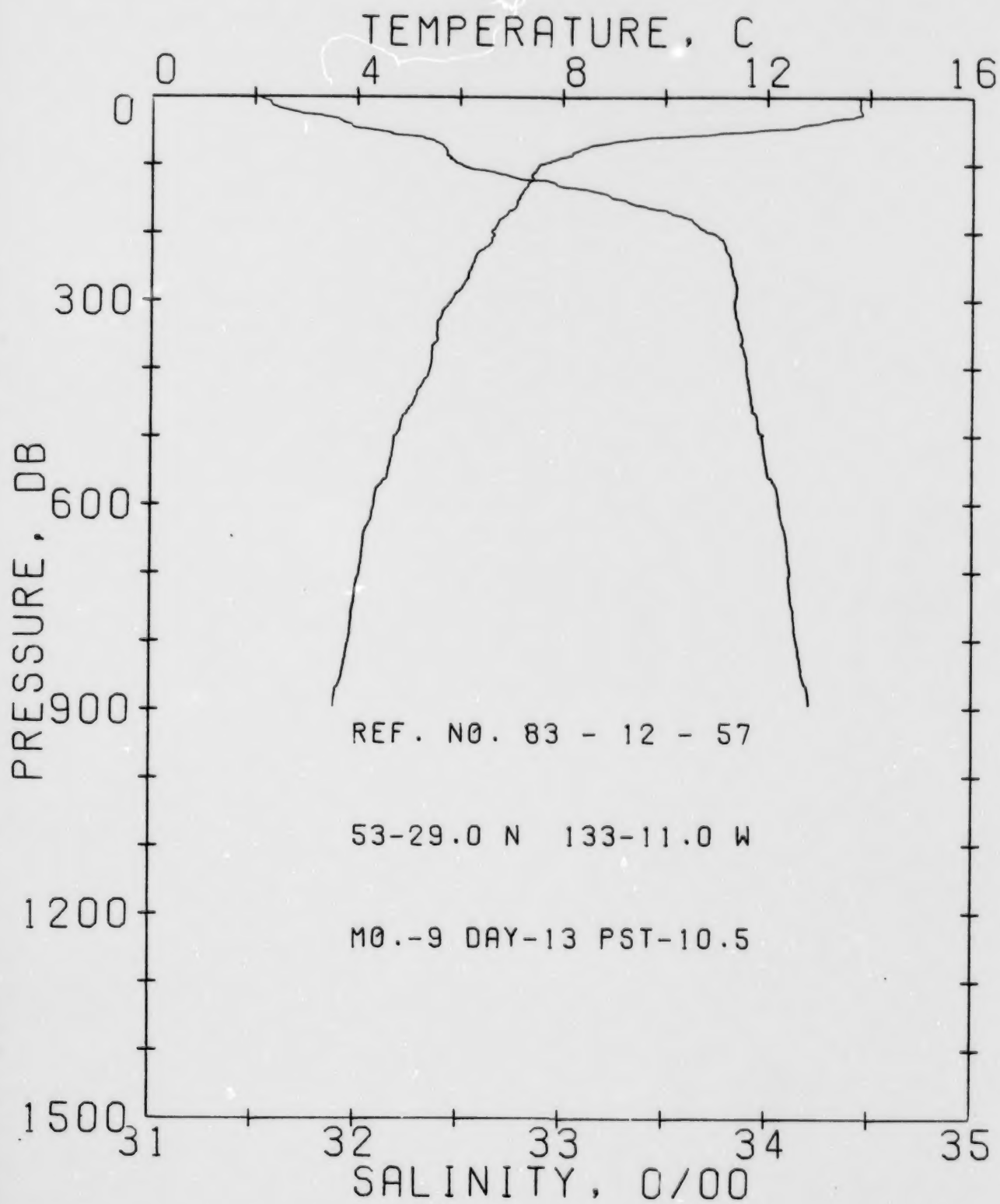
STATION Q99

RESULTS OF STP CAST 1208 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.96 | 31.84 | 0     | 23.78      | 412.9 | .00        | .00        | 1500. |
| 10    | 13.97 | 31.84 | 10    | 23.78      | 413.2 | .41        | .02        | 1500. |
| 20    | 13.95 | 31.84 | 20    | 23.79      | 412.9 | .83        | .08        | 1500. |
| 30    | 13.91 | 31.86 | 30    | 23.80      | 411.4 | 1.24       | .19        | 1500. |
| 50    | 10.76 | 32.21 | 50    | 24.67      | 329.0 | 2.02       | .51        | 1490. |
| 75    | 8.71  | 32.44 | 75    | 25.19      | 280.2 | 2.77       | .98        | 1484. |
| 100   | 7.53  | 32.53 | 99    | 25.43      | 257.2 | 3.44       | 1.58       | 1480. |
| 125   | 7.27  | 32.91 | 124   | 25.76      | 226.2 | 4.05       | 2.27       | 1479. |
| 150   | 7.15  | 33.29 | 149   | 26.07      | 196.7 | 4.58       | 3.01       | 1480. |
| 175   | 6.96  | 33.51 | 174   | 26.27      | 178.4 | 5.06       | 3.80       | 1480. |
| 200   | 6.70  | 33.66 | 199   | 26.43      | 163.8 | 5.48       | 4.62       | 1479. |
| 225   | 6.41  | 33.77 | 223   | 26.56      | 151.9 | 5.87       | 5.46       | 1479. |
| 250   | 6.09  | 33.80 | 248   | 26.62      | 146.1 | 6.25       | 6.36       | 1478. |
| 300   | 5.76  | 33.87 | 298   | 26.71      | 137.5 | 6.96       | 8.35       | 1478. |
| 400   | 5.24  | 33.91 | 397   | 26.81      | 129.6 | 8.29       | 13.12      | 1477. |
| 500   | 4.73  | 33.97 | 496   | 26.91      | 120.0 | 9.55       | 18.85      | 1477. |
| 600   | 4.35  | 34.05 | 595   | 27.02      | 110.6 | 10.69      | 25.26      | 1477. |
| 800   | 3.79  | 34.16 | 793   | 27.16      | 97.7  | 12.77      | 40.02      | 1478. |
| 1000  | 3.29  | 34.28 | 990   | 27.30      | 85.0  | 14.59      | 56.66      | 1479. |
| 1200  | 2.92  | 34.34 | 1188  | 27.39      | 77.1  | 16.19      | 74.64      | 1481. |

11b



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 57

DATE 13/ 9/83

POSITION 53-29.0N, 133-11.0W

10.5

STATION Q100

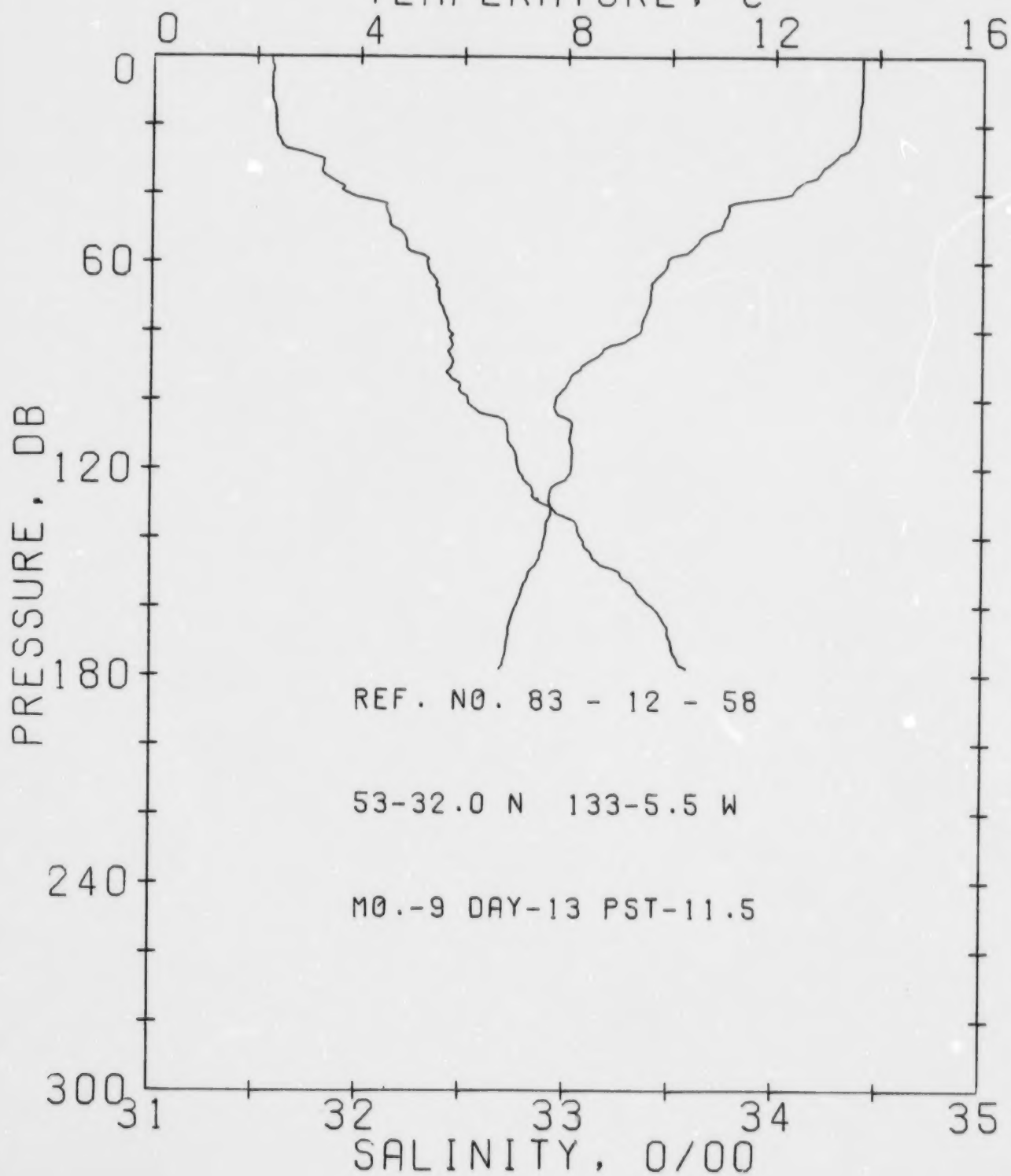
RESULTS OF STP CAST 896 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.81 | 31.53 | 0     | 23.57      | 432.8 | .00        | .00        | 1499. |
| 10    | 13.81 | 31.58 | 10    | 23.61      | 429.3 | .43        | .02        | 1499. |
| 20    | 13.83 | 31.67 | 20    | 23.68      | 423.4 | .86        | .09        | 1500. |
| 30    | 13.53 | 31.88 | 30    | 23.90      | 402.5 | 1.27       | .19        | 1499. |
| 50    | 11.74 | 32.12 | 50    | 24.42      | 352.6 | 2.04       | .50        | 1494. |
| 75    | 8.43  | 32.43 | 75    | 25.22      | 277.1 | 2.79       | .98        | 1482. |
| 100   | 7.55  | 32.52 | 99    | 25.41      | 258.8 | 3.47       | 1.58       | 1480. |
| 125   | 7.36  | 32.96 | 124   | 25.79      | 223.5 | 4.08       | 2.28       | 1480. |
| 150   | 7.15  | 33.28 | 149   | 26.07      | 197.3 | 4.60       | 3.01       | 1480. |
| 175   | 6.88  | 33.58 | 174   | 26.34      | 171.5 | 5.07       | 3.78       | 1480. |
| 200   | 6.66  | 33.73 | 199   | 26.49      | 157.9 | 5.48       | 4.56       | 1479. |
| 225   | 6.41  | 33.80 | 223   | 26.57      | 150.1 | 5.86       | 5.40       | 1479. |
| 250   | 6.25  | 33.83 | 248   | 26.62      | 146.2 | 6.23       | 6.29       | 1479. |
| 300   | 5.85  | 33.84 | 298   | 26.68      | 140.7 | 6.95       | 8.30       | 1478. |
| 400   | 5.44  | 33.90 | 397   | 26.78      | 132.5 | 8.31       | 13.13      | 1478. |
| 500   | 4.73  | 33.98 | 496   | 26.92      | 119.3 | 9.57       | 18.93      | 1477. |
| 600   | 4.35  | 34.06 | 595   | 27.02      | 109.9 | 10.73      | 25.39      | 1477. |
| 800   | 3.86  | 34.15 | 793   | 27.15      | 99.5  | 12.81      | 40.18      | 1478. |

118

TEMPERATURE, C



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 58

DATE 13/ 9/83

POSITION 53-32.0N, 133- 5.5W

11.5

STATION Q101

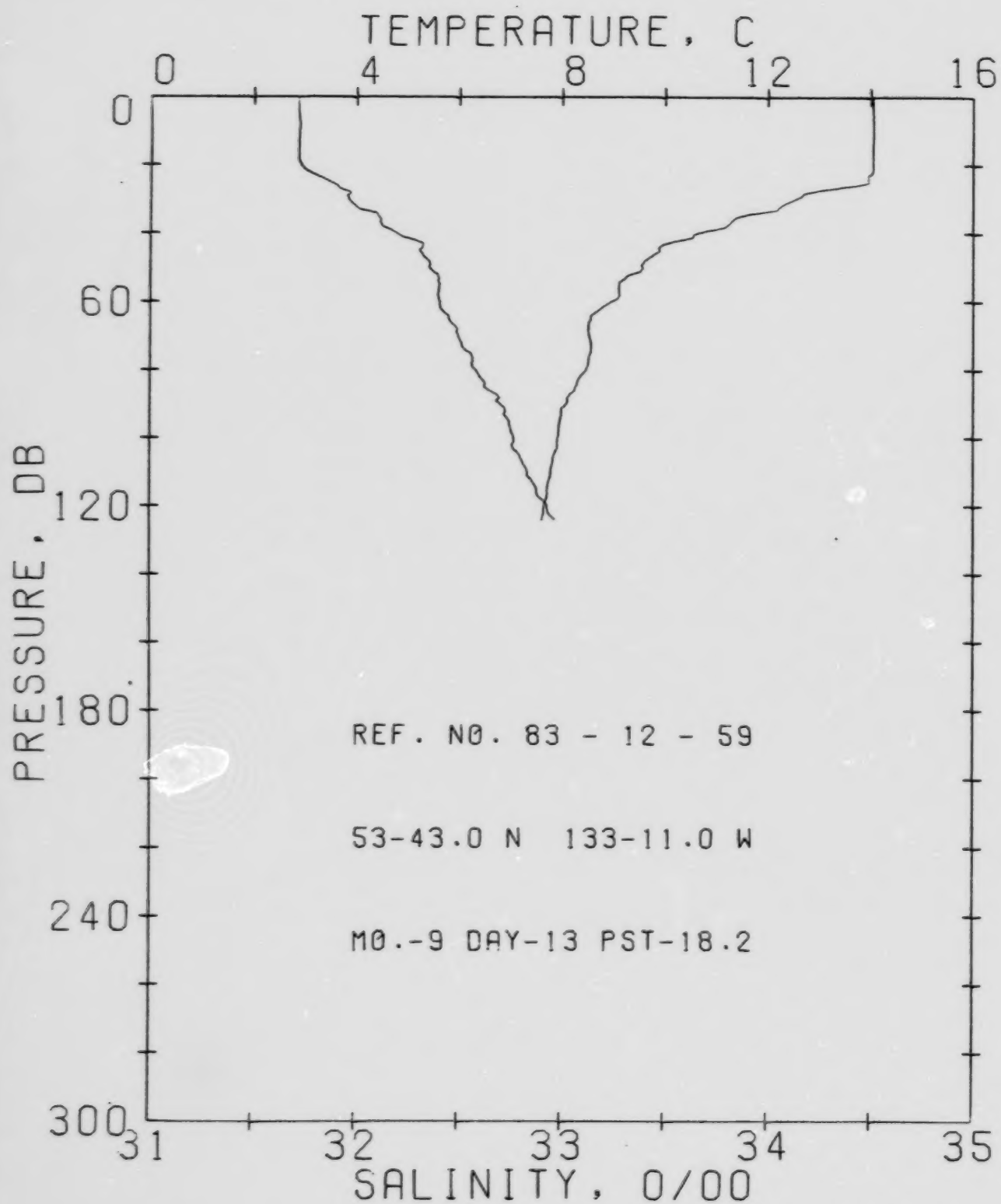
RESULTS OF STP CAST 179 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.67 | 31.57 | 0     | 23.63      | 426.9 | .00        | .00        | 1499. |
| 10    | 13.66 | 31.57 | 10    | 23.64      | 426.8 | .43        | .02        | 1499. |
| 20    | 13.62 | 31.59 | 20    | 23.66      | 424.9 | .85        | .09        | 1499. |
| 30    | 13.14 | 31.83 | 30    | 23.94      | 398.7 | 1.27       | .19        | 1498. |
| 50    | 10.97 | 32.16 | 50    | 24.60      | 336.1 | 2.00       | .49        | 1491. |
| 75    | 9.52  | 32.41 | 75    | 25.03      | 294.7 | 2.77       | .98        | 1487. |
| 100   | 7.80  | 32.53 | 99    | 25.39      | 261.4 | 3.47       | 1.60       | 1481. |
| 125   | 7.73  | 32.83 | 124   | 25.63      | 238.2 | 4.10       | 2.32       | 1481. |
| 150   | 7.28  | 33.26 | 149   | 26.04      | 200.4 | 4.65       | 3.09       | 1480. |
| 175   | 6.82  | 33.54 | 174   | 26.31      | 174.2 | 5.12       | 3.85       | 1479. |



120



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 59

DATE 13/ 9/83

POSITION 53-43.0N, 133-11.0W

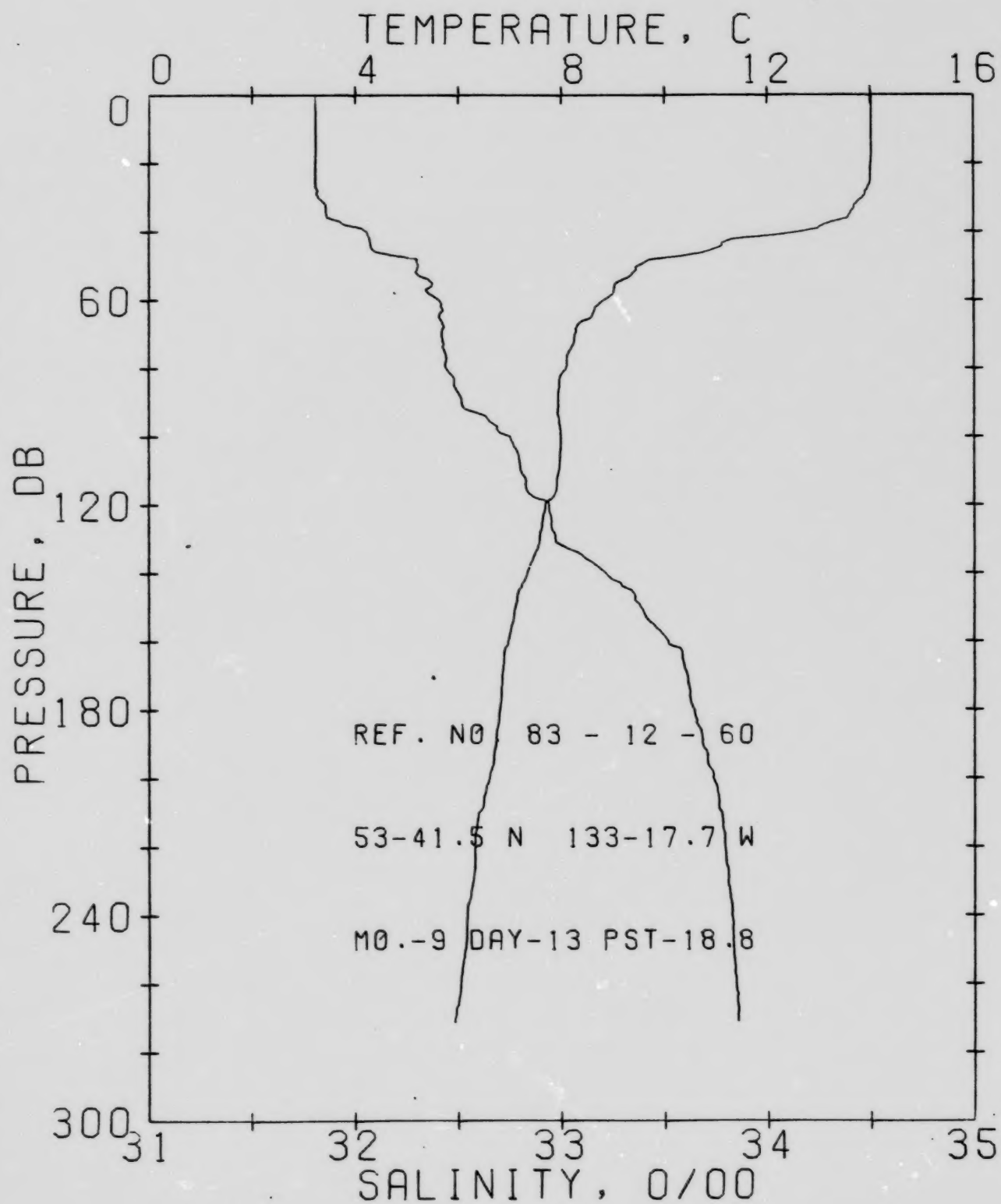
18.2

STATION Q67

RESULTS OF STP CAST 125 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.04 | 31.72 | 0     | 23.67      | 423.4 | .00        | .00        | 1500. |
| 10    | 14.06 | 31.72 | 10    | 23.67      | 423.9 | .42        | .02        | 1500. |
| 20    | 14.05 | 31.73 | 20    | 23.68      | 422.9 | .85        | .09        | 1501. |
| 30    | 12.51 | 31.96 | 30    | 24.16      | 377.4 | 1.25       | .19        | 1496. |
| 50    | 9.58  | 32.35 | 50    | 24.98      | 299.3 | 1.91       | .45        | 1486. |
| 75    | 8.55  | 32.56 | 75    | 25.30      | 269.4 | 2.62       | .90        | 1483. |
| 100   | 7.91  | 32.76 | 99    | 25.56      | 245.2 | 3.26       | 1.47       | 1481. |
| 125   | 7.60  | 32.98 | 124   | 25.77      | 225.2 | 3.85       | 2.14       | 1481. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 60

DATE 13/ 9/83

POSITION 53-41.5N, 133-17.7W

18.8

STATION Q68

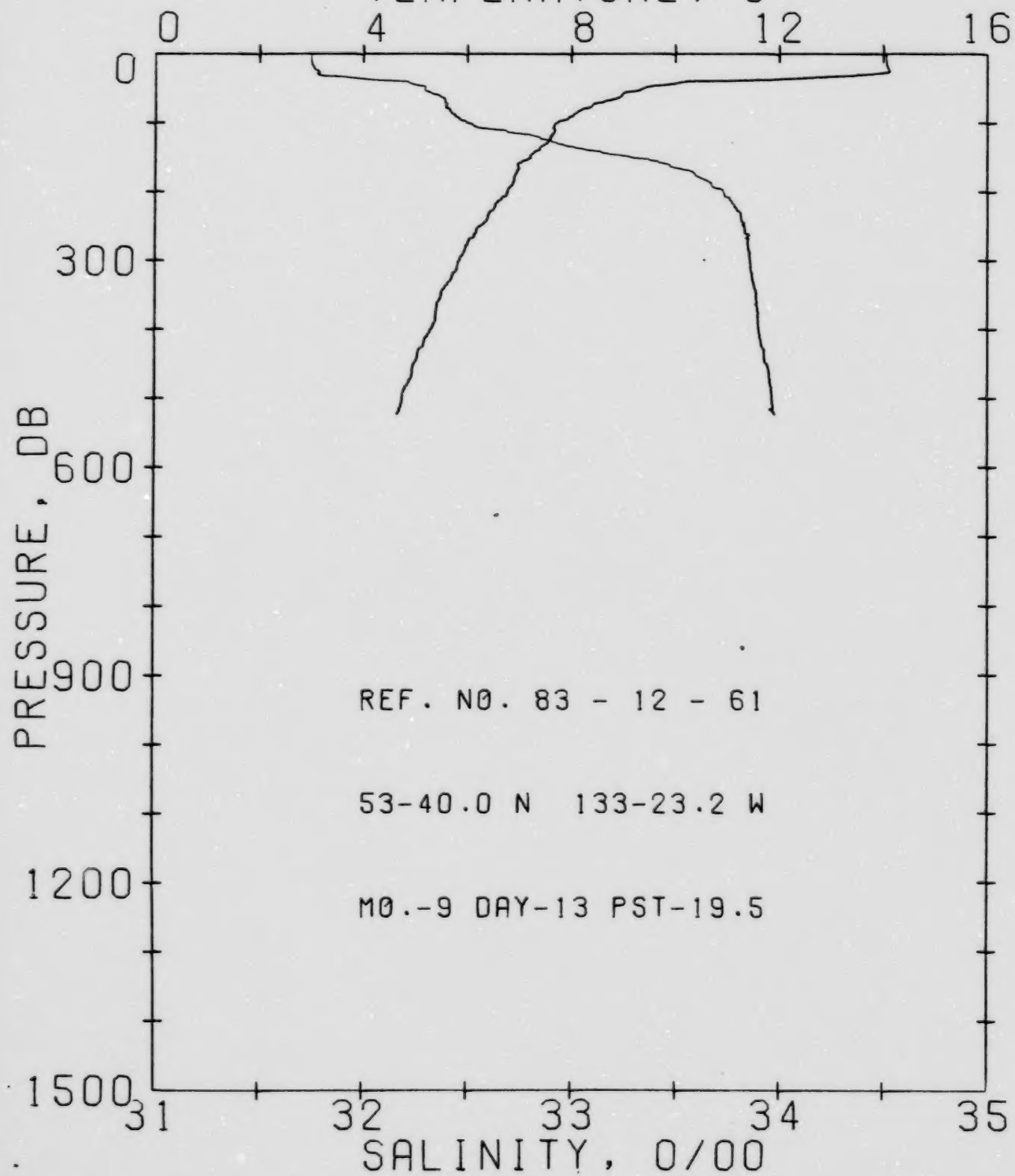
RESULTS OF STP CAST 272 POINTS TAKEN FROM DIGITAL SYSTEM

GUIDELINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.02 | 31.81 | 0     | 23.74      | 416.4 | .00        | .00        | 1500. |
| 10    | 14.02 | 31.81 | 10    | 23.74      | 416.6 | .42        | .02        | 1500. |
| 20    | 14.02 | 31.81 | 20    | 23.74      | 417.0 | .83        | .08        | 1501. |
| 30    | 13.86 | 31.82 | 30    | 23.79      | 413.0 | 1.25       | .19        | 1500. |
| 50    | 9.46  | 32.31 | 50    | 24.97      | 300.9 | 1.98       | .49        | 1486. |
| 75    | 8.15  | 32.43 | 75    | 25.26      | 272.8 | 2.69       | .94        | 1481. |
| 100   | 7.99  | 32.75 | 99    | 25.54      | 247.3 | 3.35       | 1.52       | 1482. |
| 125   | 7.63  | 32.95 | 124   | 25.74      | 227.8 | 3.95       | 2.21       | 1481. |
| 150   | 7.11  | 33.39 | 149   | 26.16      | 188.9 | 4.47       | 2.94       | 1480. |
| 175   | 6.83  | 33.62 | 174   | 26.38      | 167.9 | 4.91       | 3.66       | 1479. |
| 200   | 6.62  | 33.73 | 199   | 26.50      | 157.3 | 5.32       | 4.44       | 1479. |
| 225   | 6.32  | 33.80 | 223   | 26.59      | 148.9 | 5.70       | 5.26       | 1478. |
| 250   | 6.14  | 33.83 | 248   | 26.64      | 144.5 | 6.06       | 6.15       | 1478. |

124

TEMPERATURE, C



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 61

DATE 13/ 9/83

POSITION 53-40.0N, 133-23.2W

19.5

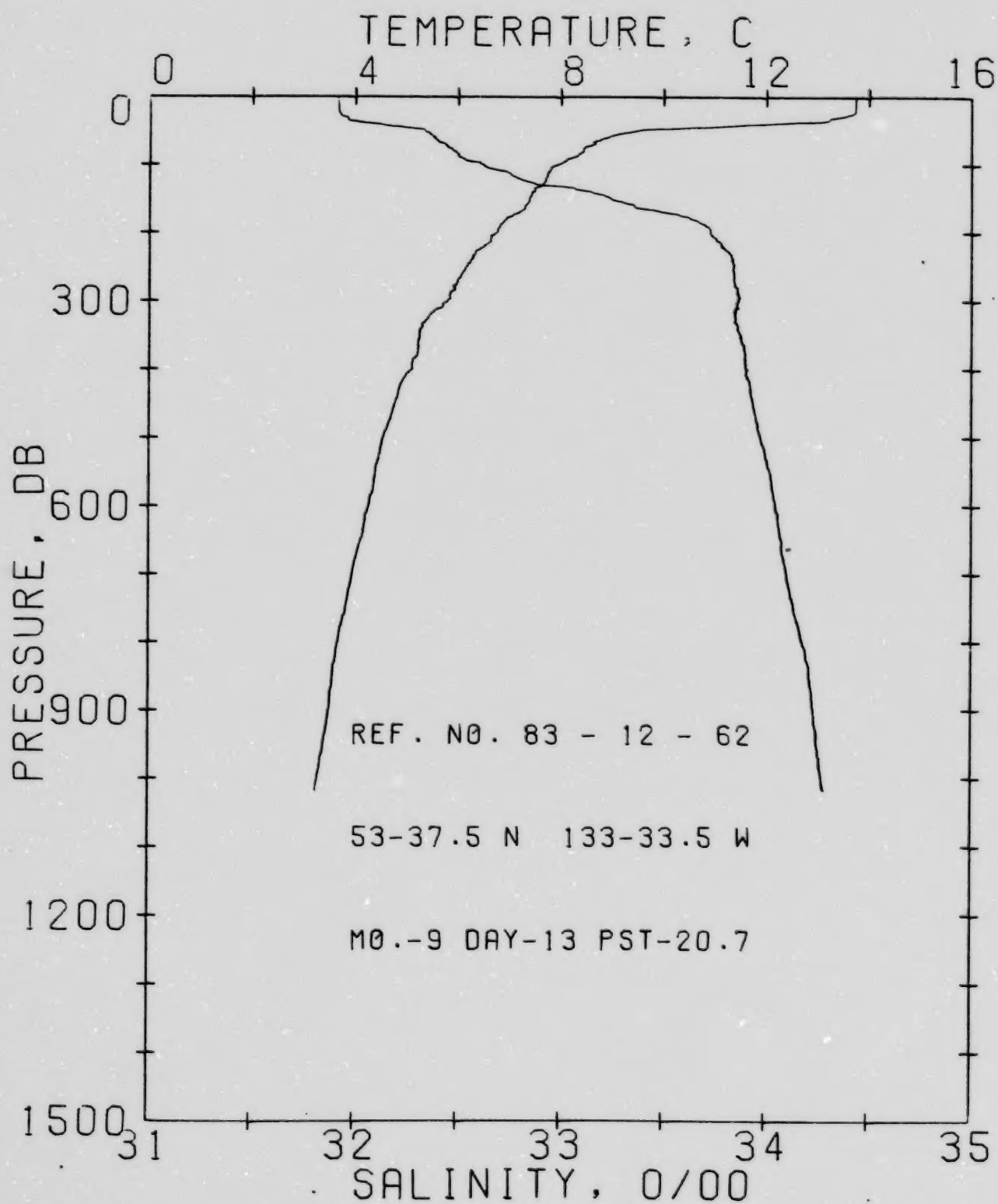
STATION Q69

RESULTS OF STP CAST 525 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 14.06 | 31.75 | 0     | 23.69      | 421.4 | .00        | .00        | 1500. |
| 10    | 14.06 | 31.75 | 10    | 23.69      | 421.6 | .42        | .02        | 1501. |
| 20    | 14.10 | 31.76 | 20    | 23.69      | 421.6 | .84        | .09        | 1501. |
| 30    | 13.48 | 31.79 | 30    | 23.84      | 407.9 | 1.26       | .19        | 1499. |
| 50    | 9.37  | 32.30 | 50    | 24.97      | 300.2 | 1.94       | .46        | 1485. |
| 75    | 8.39  | 32.40 | 75    | 25.20      | 278.8 | 2.66       | .92        | 1482. |
| 100   | 7.71  | 32.51 | 99    | 25.38      | 261.6 | 3.34       | 1.53       | 1480. |
| 125   | 7.57  | 32.91 | 124   | 25.72      | 230.3 | 3.95       | 2.23       | 1481. |
| 150   | 7.21  | 33.30 | 149   | 26.07      | 196.7 | 4.49       | 2.98       | 1480. |
| 175   | 6.93  | 33.60 | 174   | 26.35      | 171.2 | 4.94       | 3.73       | 1480. |
| 200   | 6.76  | 33.73 | 199   | 26.48      | 159.1 | 5.35       | 4.51       | 1480. |
| 225   | 6.51  | 33.80 | 223   | 26.56      | 151.6 | 5.74       | 5.35       | 1479. |
| 250   | 6.24  | 33.83 | 248   | 26.62      | 145.6 | 6.11       | 6.25       | 1479. |
| 300   | 5.85  | 33.86 | 298   | 26.69      | 139.4 | 6.82       | 8.24       | 1478. |
| 400   | 5.31  | 33.90 | 397   | 26.79      | 130.9 | 8.17       | 13.03      | 1477. |
| 500   | 4.74  | 33.96 | 496   | 26.91      | 120.6 | 9.42       | 18.75      | 1477. |

126



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 62

DATE 13/ 9/83

POSITION 53-37.5N, 133-33.5W

20.7

STATION Q70

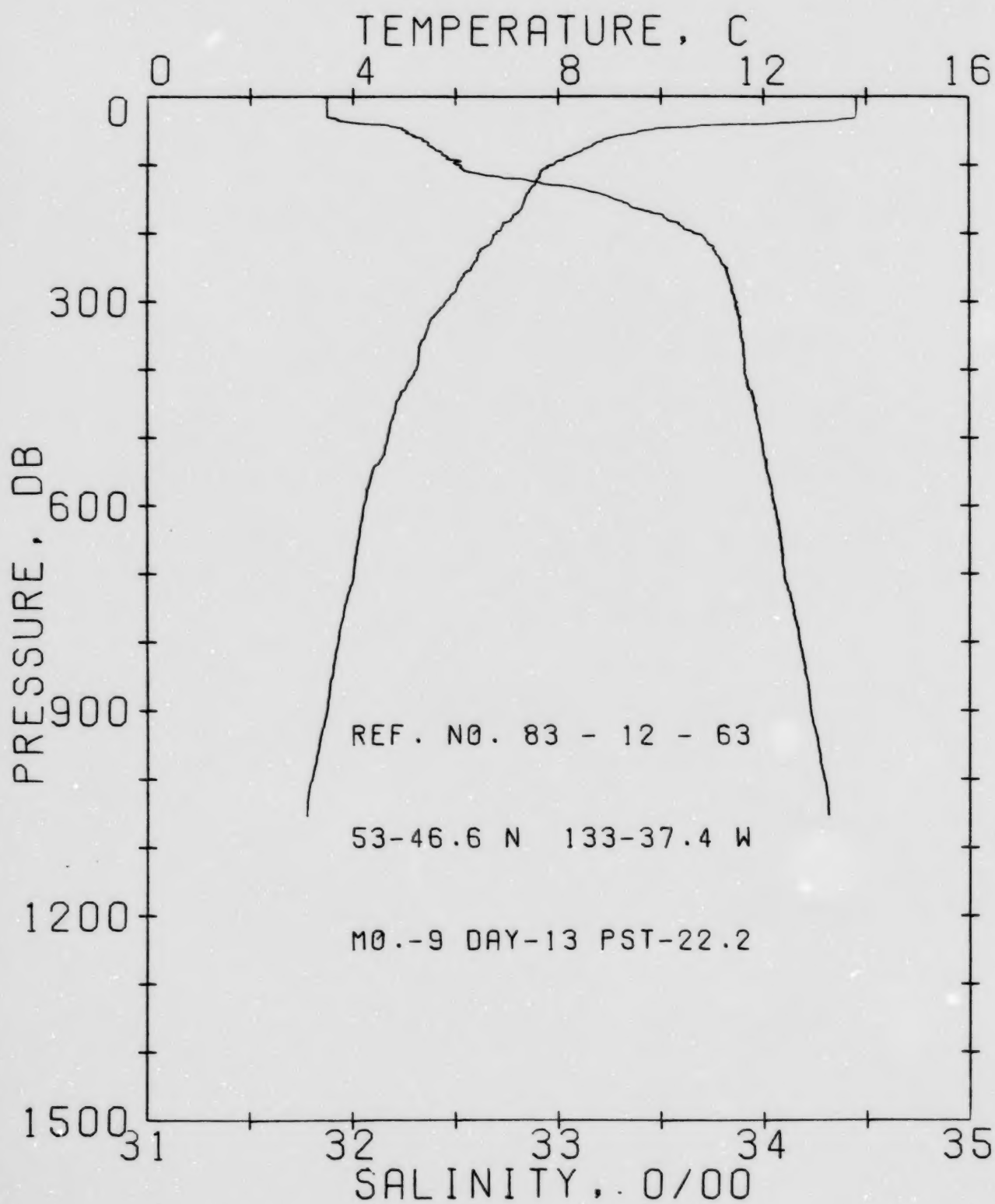
RESULTS OF STP CAST 1018 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.75 | 31.92 | 0     | 23.89      | 402.9 | .00        | .00        | 1500. |
| 10    | 13.75 | 31.92 | 10    | 23.88      | 403.2 | .40        | .02        | 1500. |
| 20    | 13.75 | 31.92 | 20    | 23.89      | 403.2 | .81        | .08        | 1500. |
| 30    | 13.26 | 31.97 | 30    | 24.02      | 390.8 | 1.21       | .18        | 1498. |
| 50    | 9.42  | 32.34 | 50    | 25.00      | 297.8 | 1.90       | .46        | 1486. |
| 75    | 8.45  | 32.46 | 75    | 25.24      | 275.0 | 2.62       | .92        | 1483. |
| 100   | 7.90  | 32.63 | 99    | 25.45      | 255.2 | 3.28       | 1.51       | 1481. |
| 125   | 7.69  | 32.86 | 124   | 25.66      | 235.8 | 3.90       | 2.21       | 1481. |
| 150   | 7.40  | 33.25 | 149   | 26.01      | 202.9 | 4.44       | 2.97       | 1481. |
| 175   | 7.03  | 33.60 | 174   | 26.33      | 172.3 | 4.91       | 3.75       | 1480. |
| 200   | 6.75  | 33.72 | 199   | 26.47      | 159.8 | 5.32       | 4.53       | 1480. |
| 225   | 6.36  | 33.81 | 223   | 26.59      | 148.7 | 5.71       | 5.37       | 1479. |
| 250   | 6.17  | 33.84 | 248   | 26.64      | 144.3 | 6.07       | 6.25       | 1478. |
| 300   | 5.79  | 33.86 | 298   | 26.70      | 138.4 | 6.78       | 8.23       | 1478. |
| 400   | 5.10  | 33.92 | 397   | 26.83      | 127.5 | 8.10       | 12.95      | 1477. |
| 500   | 4.54  | 33.98 | 496   | 26.94      | 117.4 | 9.33       | 18.56      | 1476. |
| 600   | 4.28  | 34.05 | 595   | 27.02      | 110.0 | 10.46      | 24.91      | 1477. |
| 800   | 3.68  | 34.18 | 793   | 27.19      | 94.9  | 12.52      | 39.54      | 1477. |
| 1000  | 3.29  | 34.28 | 990   | 27.30      | 84.9  | 14.32      | 55.97      | 1479. |



128



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 63

DATE 13/ 9/83

POSITION 53-46.6N, 133-37.4W

22.2

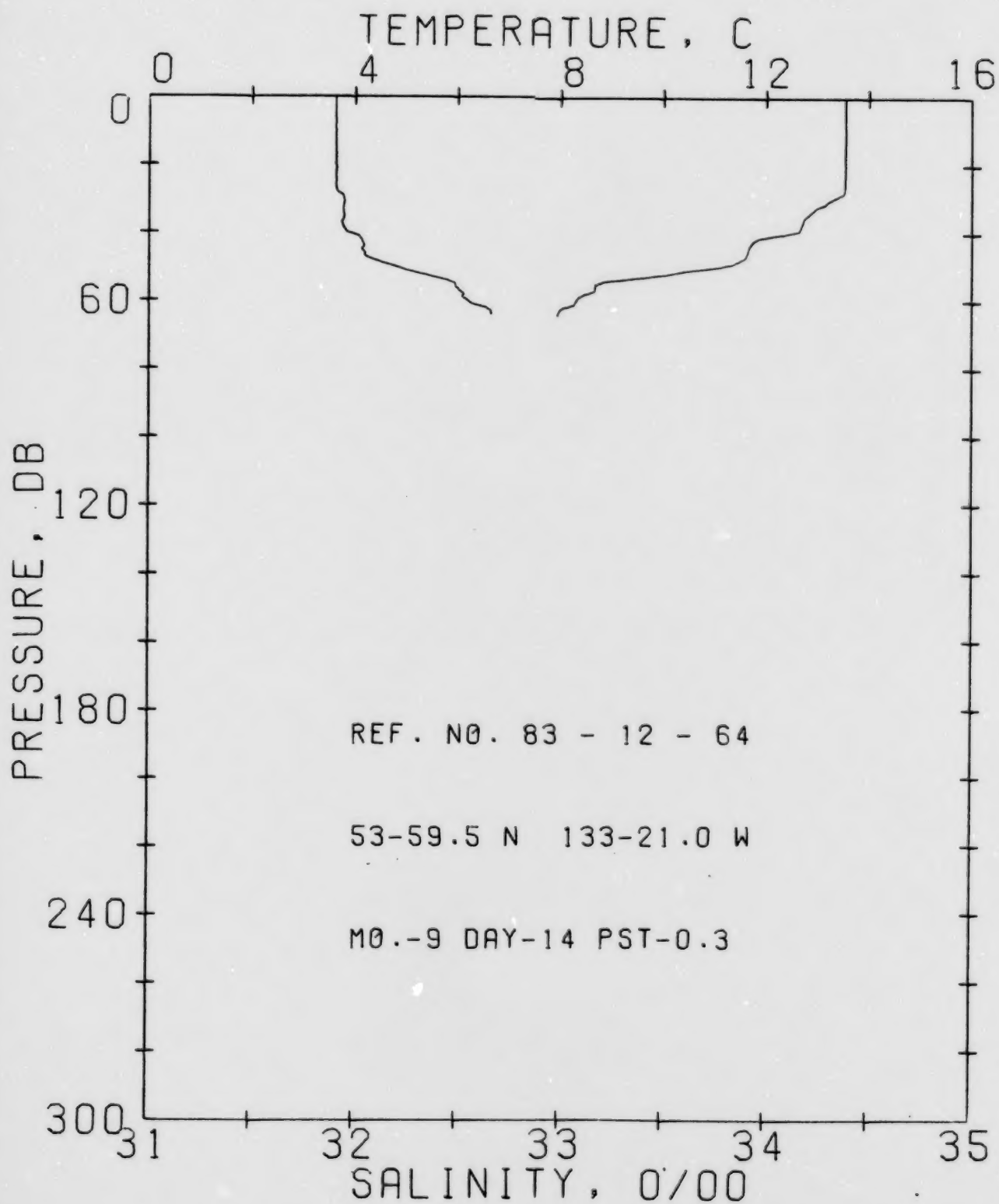
STATION Q23

RESULTS OF STP CAST 1051 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.82 | 31.86 | 0     | 23.83      | 408.5 | .00        | .00        | 1500. |
| 10    | 13.82 | 31.88 | 10    | 23.84      | 407.8 | .41        | .02        | 1500. |
| 20    | 13.82 | 31.88 | 20    | 23.84      | 407.7 | .82        | .08        | 1500. |
| 30    | 13.82 | 31.87 | 30    | 23.84      | 408.3 | 1.22       | .19        | 1500. |
| 50    | 9.61  | 32.27 | 50    | 24.91      | 306.4 | 1.93       | .47        | 1486. |
| 75    | 8.55  | 32.40 | 75    | 25.18      | 280.9 | 2.67       | .94        | 1483. |
| 100   | 7.84  | 32.53 | 99    | 25.38      | 261.8 | 3.35       | 1.54       | 1481. |
| 125   | 7.57  | 32.92 | 124   | 25.73      | 229.3 | 3.97       | 2.26       | 1481. |
| 150   | 7.36  | 33.28 | 149   | 26.04      | 200.4 | 4.50       | 3.00       | 1481. |
| 175   | 7.12  | 33.52 | 174   | 26.26      | 179.8 | 4.98       | 3.79       | 1480. |
| 200   | 6.78  | 33.68 | 199   | 26.43      | 163.6 | 5.41       | 4.61       | 1480. |
| 225   | 6.51  | 33.76 | 223   | 26.53      | 154.6 | 5.81       | 5.47       | 1479. |
| 250   | 6.32  | 33.82 | 248   | 26.61      | 147.5 | 6.18       | 6.38       | 1479. |
| 300   | 5.83  | 33.86 | 298   | 26.70      | 139.1 | 6.90       | 8.39       | 1478. |
| 400   | 5.24  | 33.91 | 397   | 26.81      | 129.3 | 8.23       | 13.12      | 1477. |
| 500   | 4.68  | 33.99 | 496   | 26.93      | 118.0 | 9.46       | 18.74      | 1477. |
| 600   | 4.21  | 34.06 | 595   | 27.04      | 108.4 | 10.59      | 25.09      | 1476. |
| 800   | 3.71  | 34.18 | 793   | 27.18      | 95.6  | 12.65      | 39.72      | 1478. |
| 1000  | 3.21  | 34.29 | 990   | 27.33      | 82.7  | 14.44      | 56.08      | 1479. |

130



131

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 64

DATE 14/ 9/83

POSITION 53-59.5N, 133-21.0W .3

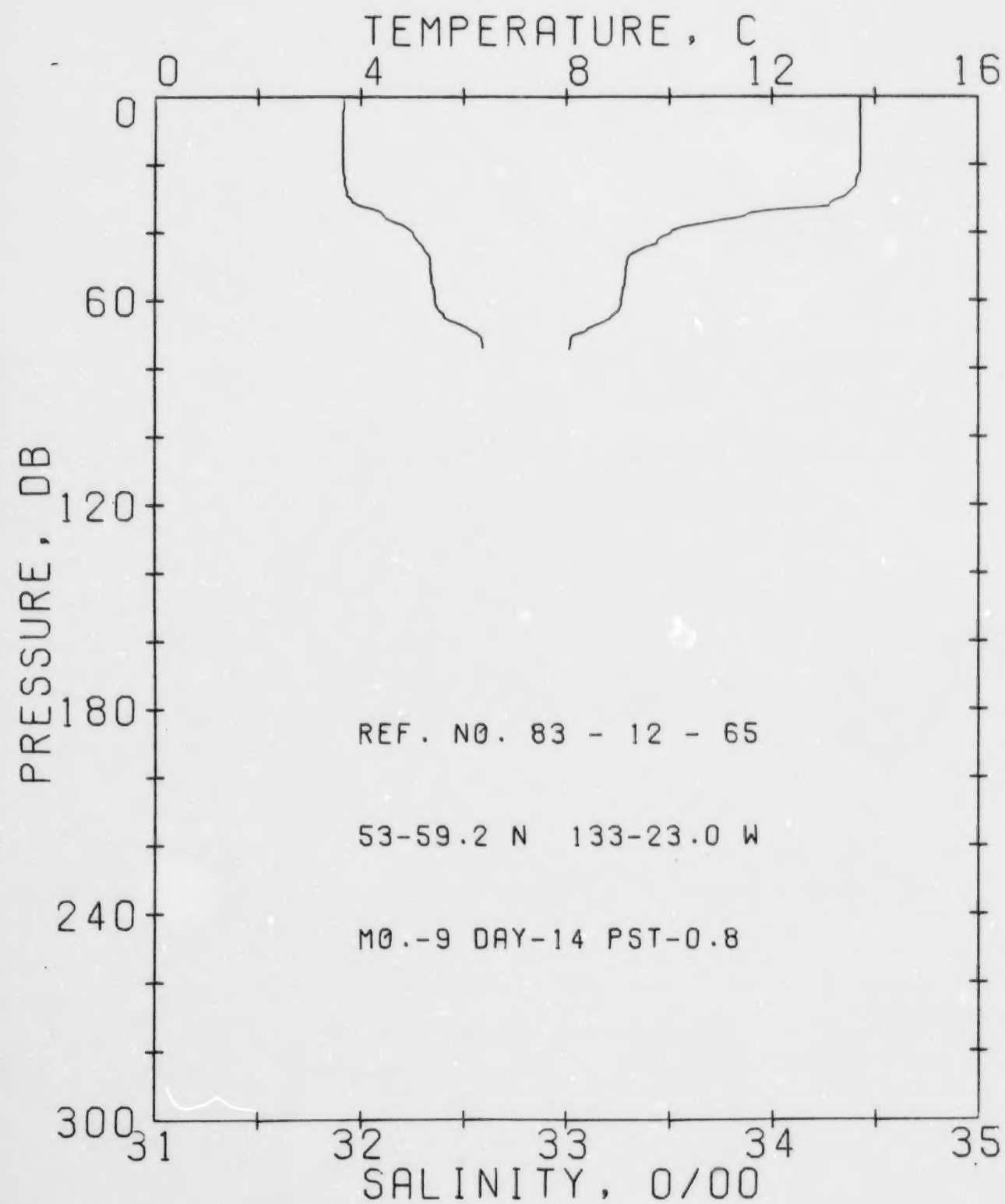
STATION E 1

RESULTS OF STP CAST 65 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.55 | 31.91 | 0     | 23.92      | 399.8 | .00        | .00        | 1499. |
| 10    | 13.55 | 31.91 | 10    | 23.92      | 400.1 | .40        | .02        | 1499. |
| 20    | 13.55 | 31.91 | 20    | 23.92      | 400.4 | .80        | .08        | 1499. |
| 30    | 13.24 | 31.95 | 30    | 24.01      | 391.8 | 1.20       | .18        | 1498. |
| 50    | 10.98 | 32.20 | 50    | 24.62      | 333.6 | 1.94       | .48        | 1491. |

132



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 65

DATE 14/ 9/83

POSITION 53-59.2N, 133-23.0W

.8

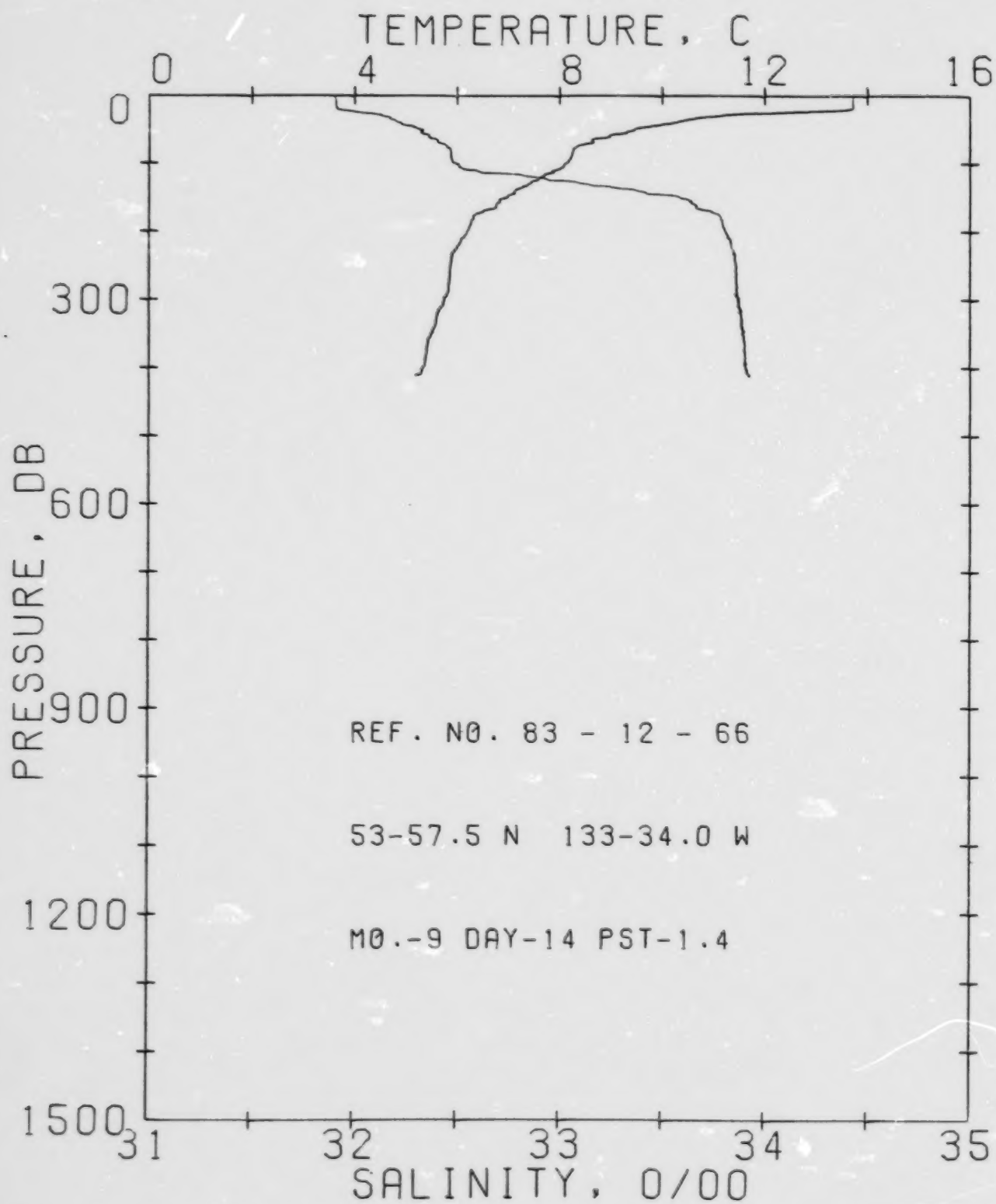
STATION Q18

RESULTS OF STP CAST 75 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.72 | 31.92 | 0     | 23.89      | 402.4 | .00        | .00        | 1499. |
| 10    | 13.72 | 31.91 | 10    | 23.89      | 403.1 | .40        | .02        | 1500. |
| 20    | 13.73 | 31.91 | 20    | 23.89      | 403.4 | .81        | .08        | 1500. |
| 30    | 13.26 | 31.95 | 30    | 24.01      | 391.8 | 1.21       | .18        | 1498. |
| 50    | 9.16  | 32.34 | 50    | 25.04      | 293.9 | 1.86       | .45        | 1485. |
| 75    | 8.06  | 32.60 | 75    | 25.40      | 259.5 | 2.55       | .88        | 1481. |

134



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 66

DATE 14/ 9/83

POSITION 53-57.5N, 133-34.0W

1.4

STATION E 2

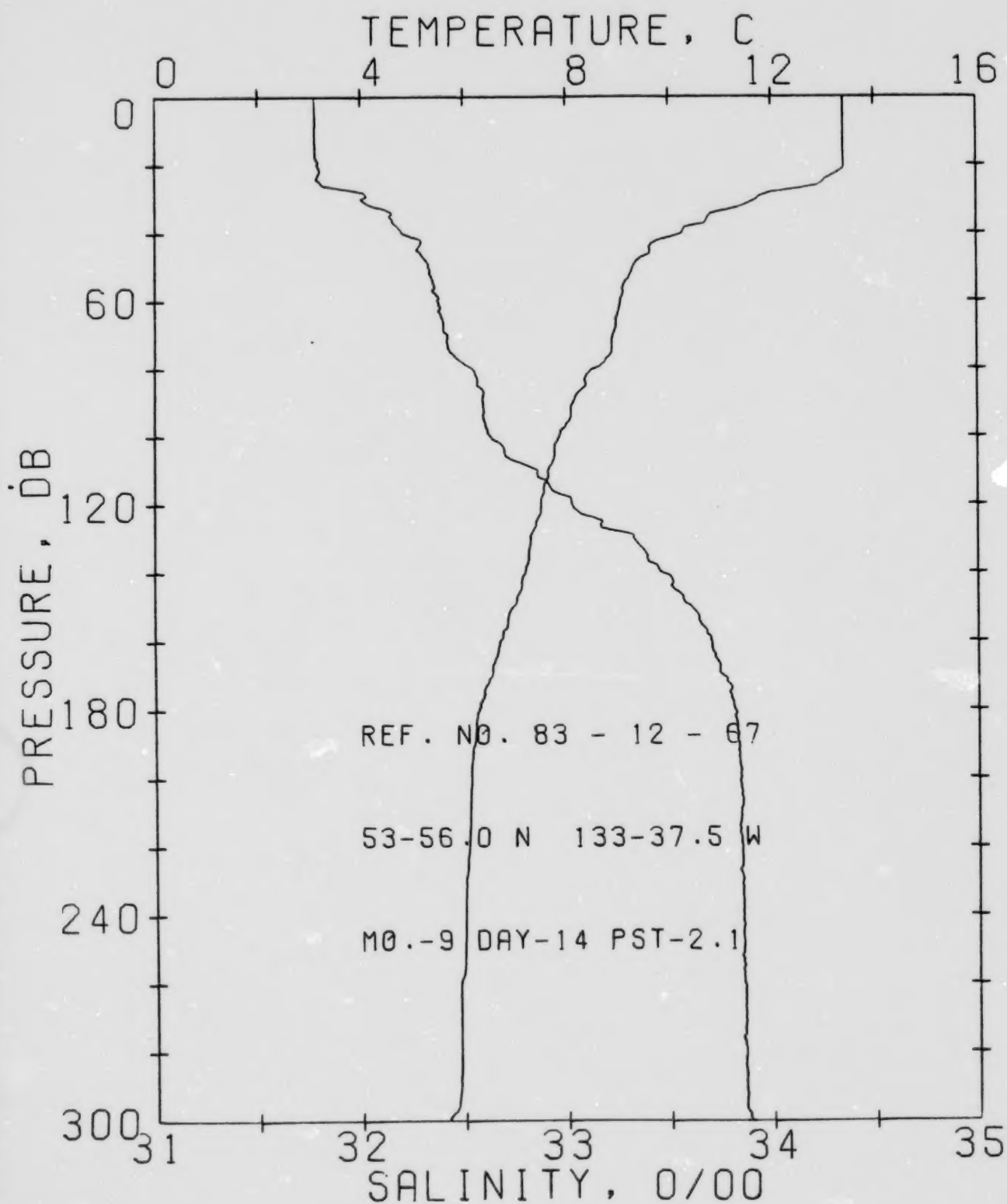
RESULTS OF STP CAST 413 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.72 | 31.91 | 0     | 23.88      | 403.3 | .00        | .00        | 1499. |
| 10    | 13.72 | 31.91 | 10    | 23.88      | 403.2 | .40        | .02        | 1500. |
| 20    | 13.65 | 31.92 | 20    | 23.91      | 401.4 | .81        | .08        | 1500. |
| 30    | 11.04 | 32.13 | 30    | 24.56      | 338.8 | 1.17       | .17        | 1491. |
| 50    | 9.44  | 32.34 | 50    | 24.99      | 298.2 | 1.81       | .43        | 1486. |
| 75    | 8.34  | 32.46 | 75    | 25.25      | 273.6 | 2.52       | .89        | 1482. |
| 100   | 8.14  | 32.49 | 99    | 25.31      | 268.7 | 3.20       | 1.49       | 1482. |
| 125   | 7.56  | 32.96 | 124   | 25.76      | 226.3 | 3.83       | 2.21       | 1481. |
| 150   | 6.97  | 33.59 | 149   | 26.34      | 171.8 | 4.32       | 2.89       | 1480. |
| 175   | 6.36  | 33.78 | 174   | 26.57      | 150.0 | 4.72       | 3.56       | 1478. |
| 200   | 6.19  | 33.81 | 199   | 26.61      | 146.1 | 5.09       | 4.27       | 1478. |
| 225   | 5.99  | 33.84 | 223   | 26.66      | 142.0 | 5.45       | 5.04       | 1477. |
| 250   | 5.87  | 33.86 | 248   | 26.69      | 139.1 | 5.80       | 5.89       | 1477. |
| 300   | 5.75  | 33.87 | 298   | 26.71      | 137.7 | 6.50       | 7.84       | 1477. |
| 400   | 5.33  | 33.91 | 397   | 26.79      | 130.8 | 7.83       | 12.59      | 1477. |



136



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 67

DATE 14/ 9/83

POSITION 53-56.0N, 133-37.5W

2.1

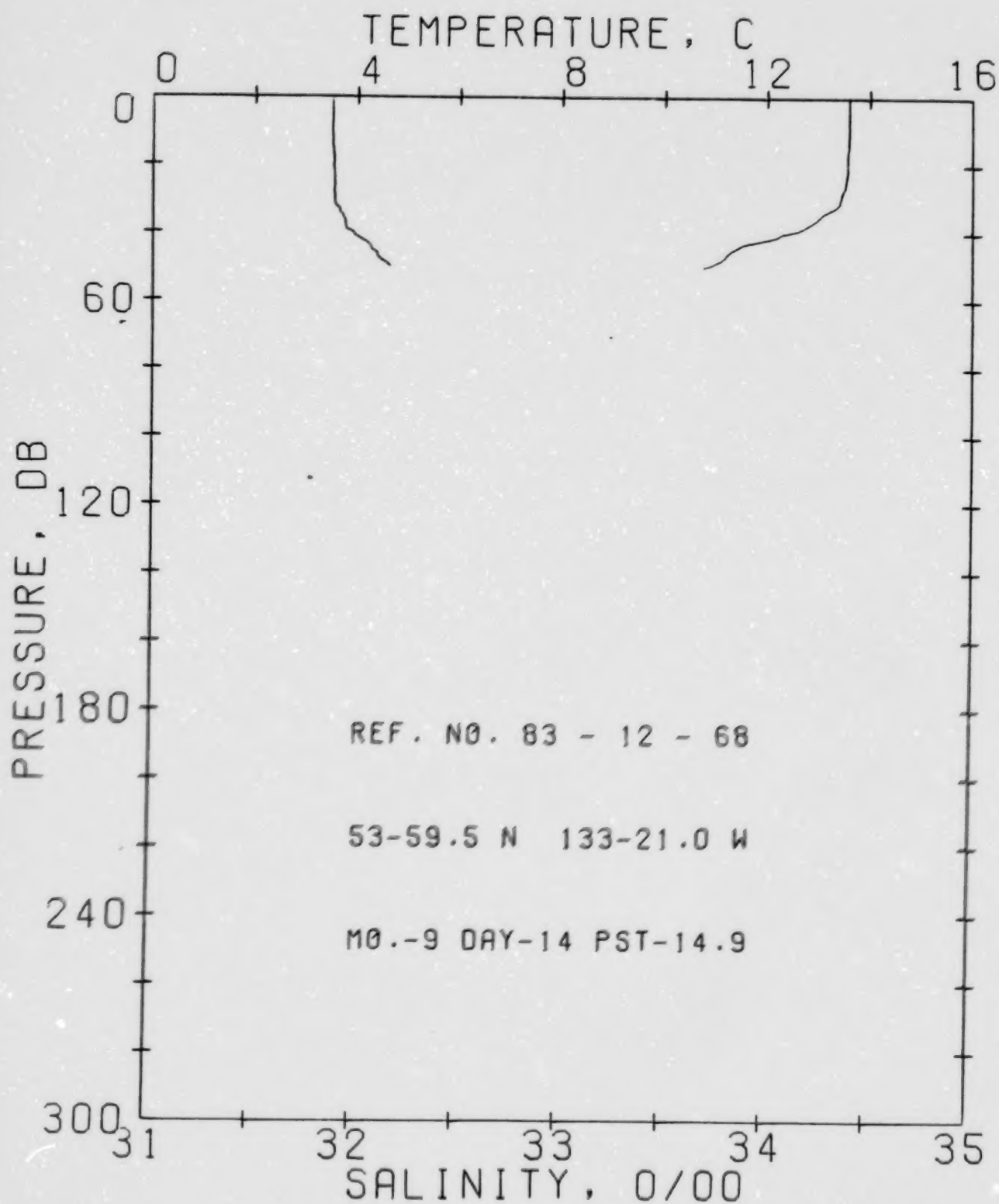
STATION E 3

RESULTS OF STP CAST 369 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.41 | 31.78 | 0     | 23.85      | 406.7 | .00        | .00        | 1498. |
| 10    | 13.42 | 31.78 | 10    | 23.84      | 407.1 | .41        | .02        | 1498. |
| 20    | 13.44 | 31.79 | 20    | 23.85      | 406.8 | .81        | .08        | 1499. |
| 30    | 11.73 | 32.00 | 30    | 24.34      | 360.6 | 1.20       | .18        | 1493. |
| 50    | 9.30  | 32.33 | 50    | 25.01      | 296.7 | 1.84       | .44        | 1485. |
| 75    | 8.90  | 32.44 | 75    | 25.15      | 283.2 | 2.57       | .90        | 1484. |
| 100   | 7.86  | 32.63 | 99    | 25.46      | 254.4 | 3.23       | 1.49       | 1481. |
| 125   | 7.40  | 33.18 | 124   | 25.95      | 208.0 | 3.81       | 2.15       | 1480. |
| 150   | 6.94  | 33.60 | 149   | 26.35      | 170.5 | 4.28       | 2.81       | 1479. |
| 175   | 6.40  | 33.79 | 174   | 26.56      | 150.4 | 4.68       | 3.47       | 1478. |
| 200   | 6.12  | 33.84 | 199   | 26.64      | 143.0 | 5.04       | 4.16       | 1477. |
| 225   | 6.04  | 33.84 | 223   | 26.66      | 142.1 | 5.40       | 4.93       | 1477. |
| 250   | 5.99  | 33.85 | 248   | 26.67      | 141.3 | 5.75       | 5.79       | 1478. |
| 300   | 5.67  | 33.89 | 298   | 26.74      | 135.1 | 6.45       | 7.75       | 1477. |

138



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 68

DATE 14/ 9/83

POSITION 53-59.5N, 133-21.0W

14.9

STATION E 1

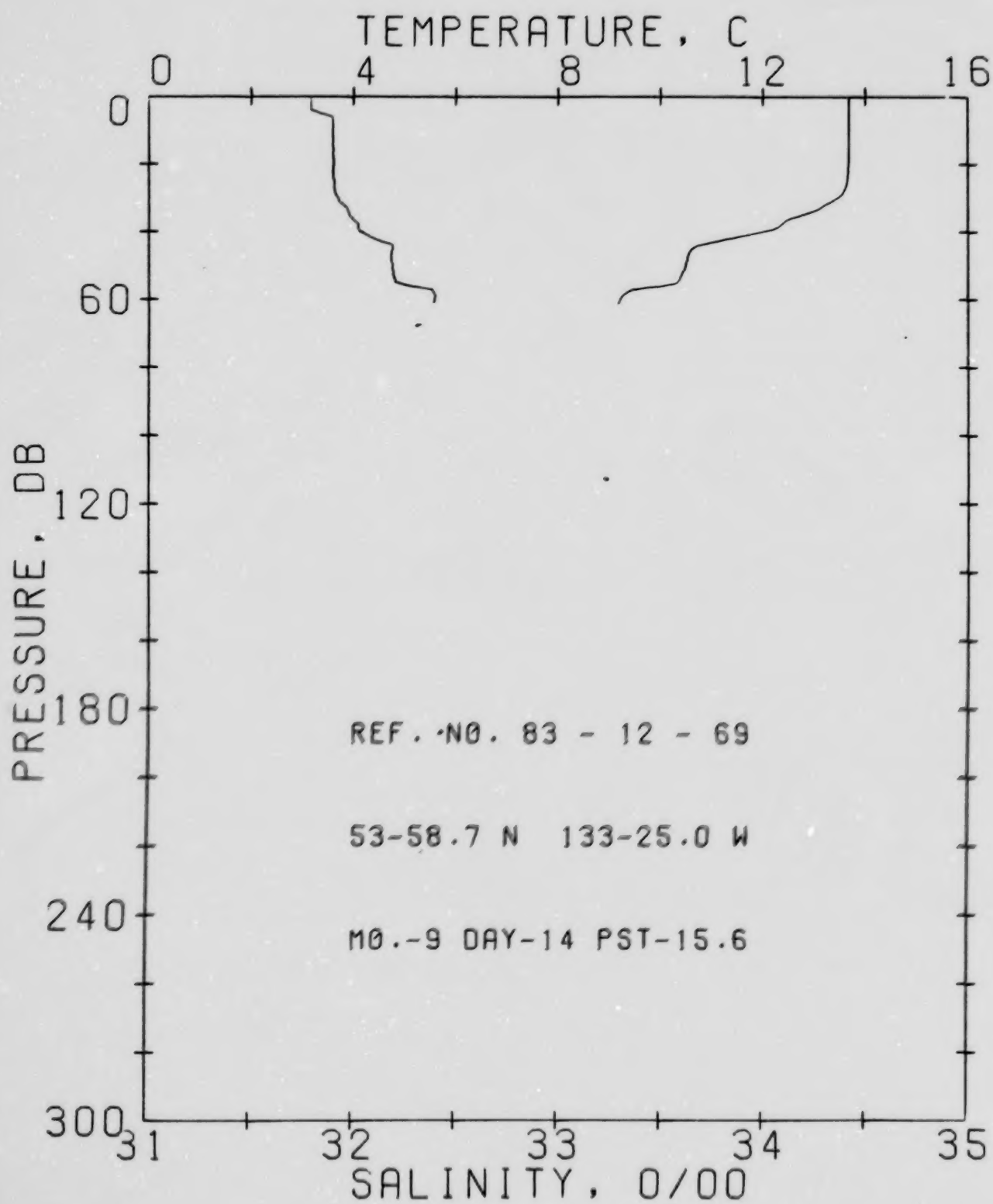
RESULTS OF STP CAST 51 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.60 | 31.88 | 0     | 23.88      | 403.1 | .00        | .00        | 1499. |
| 10    | 13.60 | 31.87 | 10    | 23.88      | 403.6 | .40        | .02        | 1499. |
| 20    | 13.57 | 31.88 | 20    | 23.89      | 402.8 | .81        | .08        | 1499. |
| 30    | 13.43 | 31.89 | 30    | 23.92      | 399.8 | 1.21       | .18        | 1499. |
| 50    | 10.78 | 32.16 | 50    | 24.63      | 333.0 | 1.95       | .48        | 1490. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.60 | 31.88 | 26.  |       | 13.53 | 31.89 |
| 1.   |       | 13.60 | 31.88 | 27.  |       | 13.49 | 31.88 |
| 2.   |       | 13.60 | 31.88 | 28.  |       | 13.46 | 31.88 |
| 3.   |       | 13.60 | 31.88 | 29.  |       | 13.44 | 31.89 |
| 4.   |       | 13.60 | 31.88 | 30.  |       | 13.43 | 31.89 |
| 5.   |       | 13.60 | 31.88 | 31.  |       | 13.42 | 31.89 |
| 6.   |       | 13.60 | 31.88 | 32.  |       | 13.36 | 31.89 |
| 7.   |       | 13.60 | 31.88 | 33.  |       | 13.23 | 31.91 |
| 8.   |       | 13.60 | 31.88 | 34.  |       | 13.10 | 31.92 |
| 9.   |       | 13.60 | 31.88 | 35.  |       | 13.03 | 31.93 |
| 10.  |       | 13.60 | 31.87 | 36.  |       | 12.96 | 31.94 |
| 11.  |       | 13.60 | 31.88 | 37.  |       | 12.86 | 31.94 |
| 12.  |       | 13.60 | 31.88 | 38.  |       | 12.75 | 31.94 |
| 13.  |       | 13.59 | 31.88 | 39.  |       | 12.62 | 31.95 |
| 14.  |       | 13.59 | 31.88 | 40.  |       | 12.31 | 31.98 |
| 15.  |       | 13.58 | 31.88 | 41.  |       | 12.20 | 31.99 |
| 16.  |       | 13.57 | 31.88 | 42.  |       | 11.91 | 32.02 |
| 17.  |       | 13.57 | 31.88 | 43.  |       | 11.56 | 32.05 |
| 18.  |       | 13.57 | 31.88 | 44.  |       | 11.45 | 32.07 |
| 19.  |       | 13.57 | 31.88 | 45.  |       | 11.31 | 32.07 |
| 20.  |       | 13.57 | 31.88 | 46.  |       | 11.24 | 32.10 |
| 21.  |       | 13.57 | 31.88 | 47.  |       | 11.18 | 32.10 |
| 22.  |       | 13.57 | 31.89 | 48.  |       | 11.10 | 32.11 |
| 23.  |       | 13.56 | 31.89 | 49.  |       | 10.97 | 32.15 |
| 24.  |       | 13.55 | 31.89 | 50.  |       | 10.78 | 32.16 |
| 25.  |       | 13.54 | 31.88 |      |       |       |       |

140



141

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 69

DATE 14/ 9/83

POSITION 53-58.7N, 133-25.0W

15.6

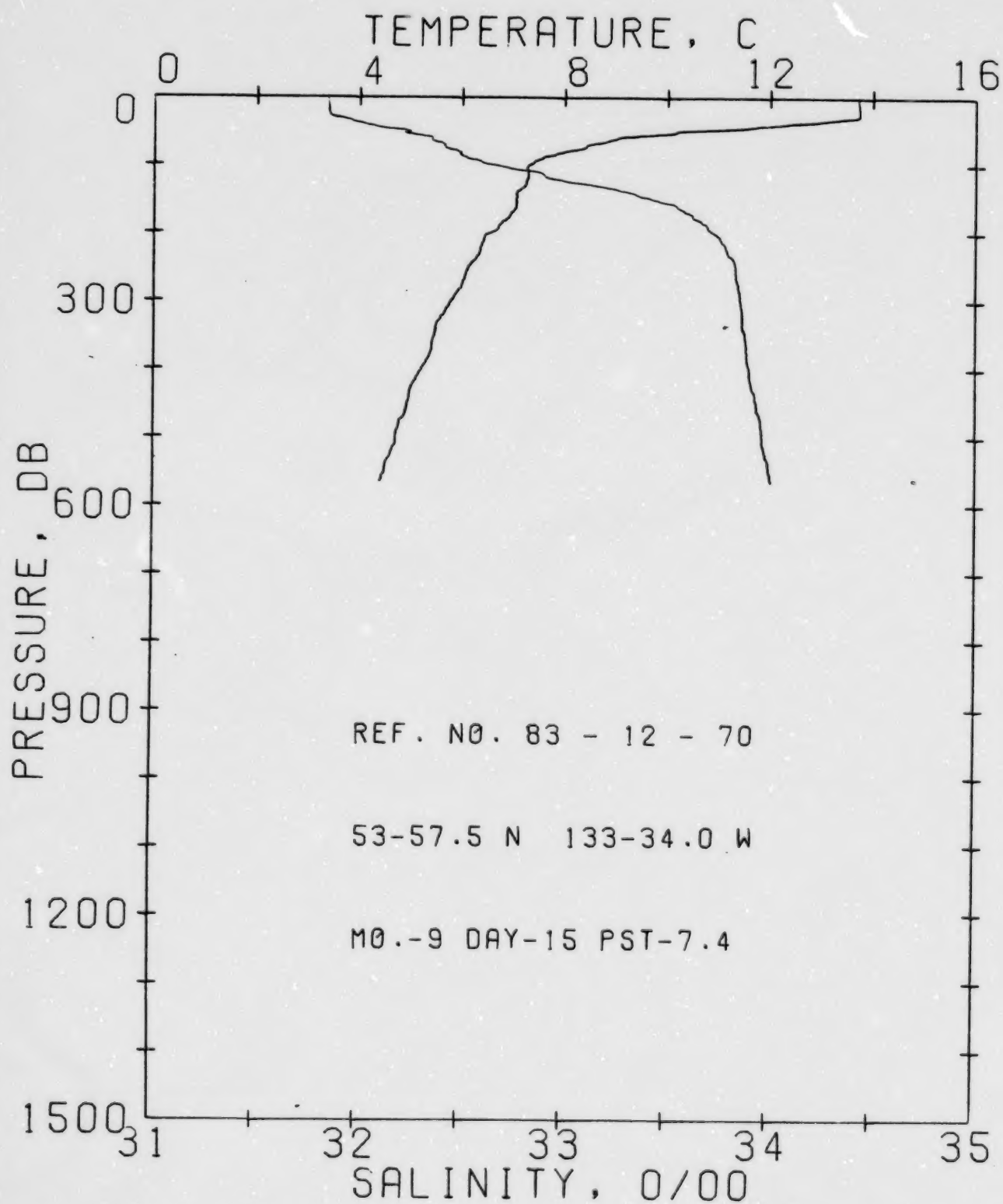
STATION Q18

RESULTS OF STP CAST 62 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.69 | 31.80 | 0     | 23.80      | 410.9 | .00        | .00        | 1499. |
| 10    | 13.69 | 31.90 | 10    | 23.88      | 403.6 | .41        | .02        | 1499. |
| 20    | 13.68 | 31.90 | 20    | 23.89      | 403.3 | .81        | .08        | 1500. |
| 30    | 13.45 | 31.93 | 30    | 23.95      | 397.4 | 1.21       | .18        | 1499. |
| 50    | 10.50 | 32.19 | 50    | 24.70      | 325.9 | 1.93       | .47        | 1489. |

142





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 70

DATE 15/ 9/83

POSITION 53-57.5N, 133-34.0W

7.4

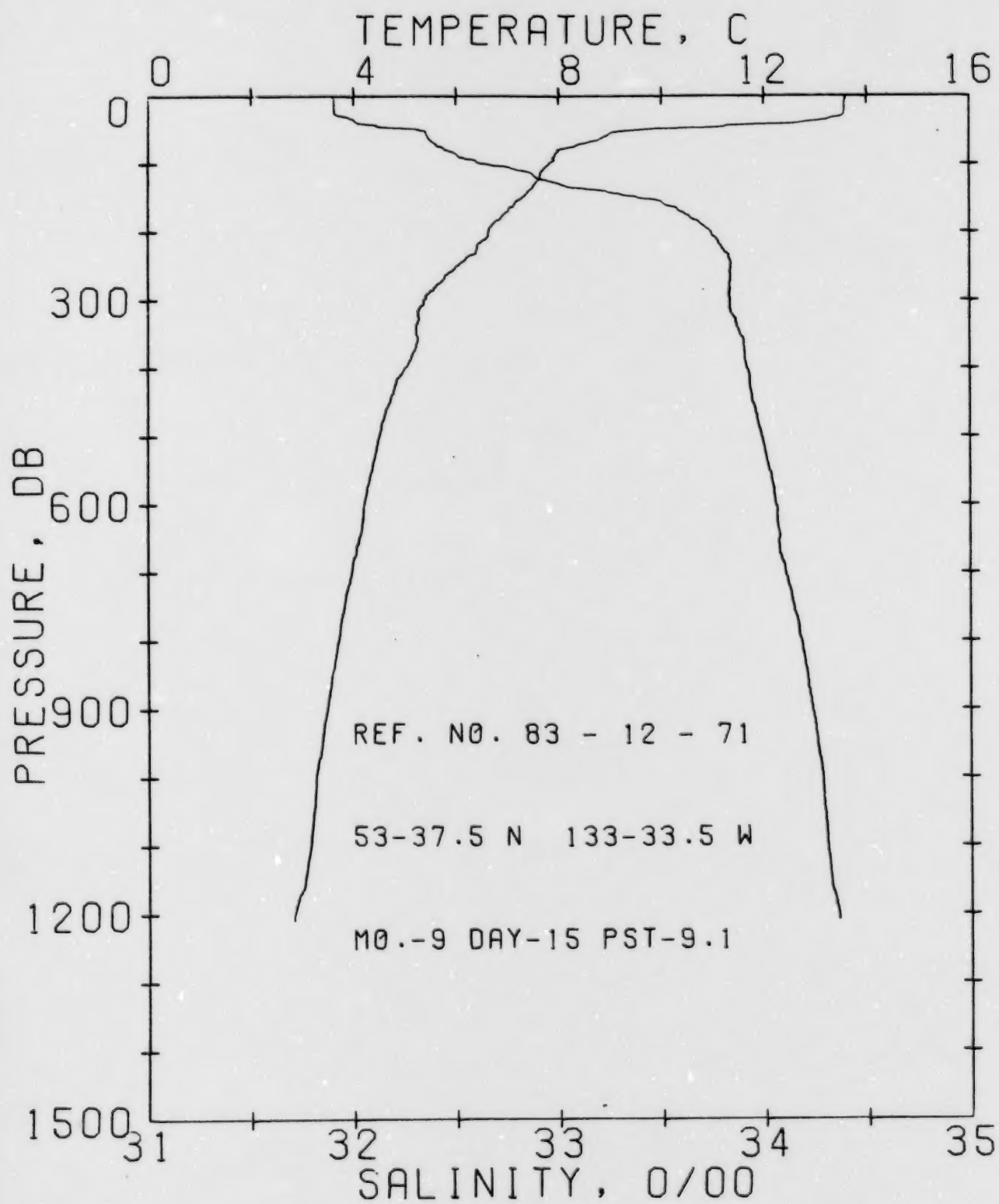
STATION Q99

RESULTS OF STP CAST 566 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.72 | 31.85 | 0     | 23.84      | 407.6 | .00        | .00        | 1499. |
| 10    | 13.73 | 31.85 | 10    | 23.83      | 407.9 | .41        | .02        | 1500. |
| 20    | 13.74 | 31.85 | 20    | 23.84      | 408.1 | .82        | .08        | 1500. |
| 30    | 13.52 | 31.90 | 30    | 23.92      | 400.4 | 1.22       | .19        | 1499. |
| 50    | 10.18 | 32.25 | 50    | 24.80      | 316.3 | 1.95       | .48        | 1488. |
| 75    | 8.36  | 32.43 | 75    | 25.23      | 276.2 | 2.68       | .94        | 1482. |
| 100   | 7.30  | 32.68 | 99    | 25.57      | 243.4 | 3.33       | 1.52       | 1479. |
| 125   | 7.24  | 33.05 | 124   | 25.88      | 215.1 | 3.90       | 2.17       | 1479. |
| 150   | 7.05  | 33.43 | 149   | 26.20      | 184.6 | 4.39       | 2.86       | 1480. |
| 175   | 6.93  | 33.63 | 174   | 26.37      | 169.0 | 4.83       | 3.59       | 1480. |
| 200   | 6.55  | 33.73 | 199   | 26.50      | 156.5 | 5.24       | 4.37       | 1479. |
| 225   | 6.36  | 33.79 | 223   | 26.58      | 149.9 | 5.62       | 5.19       | 1479. |
| 250   | 6.12  | 33.83 | 248   | 26.64      | 144.2 | 5.99       | 6.08       | 1478. |
| 300   | 5.79  | 33.86 | 298   | 26.70      | 138.9 | 6.70       | 8.07       | 1478. |
| 400   | 5.21  | 33.90 | 397   | 26.80      | 129.7 | 8.04       | 12.85      | 1477. |
| 500   | 4.71  | 33.97 | 496   | 26.91      | 120.1 | 9.28       | 18.55      | 1477. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 71

DATE 15/ 9/83

POSITION 53-37.5N, 133-33.5W

9.1

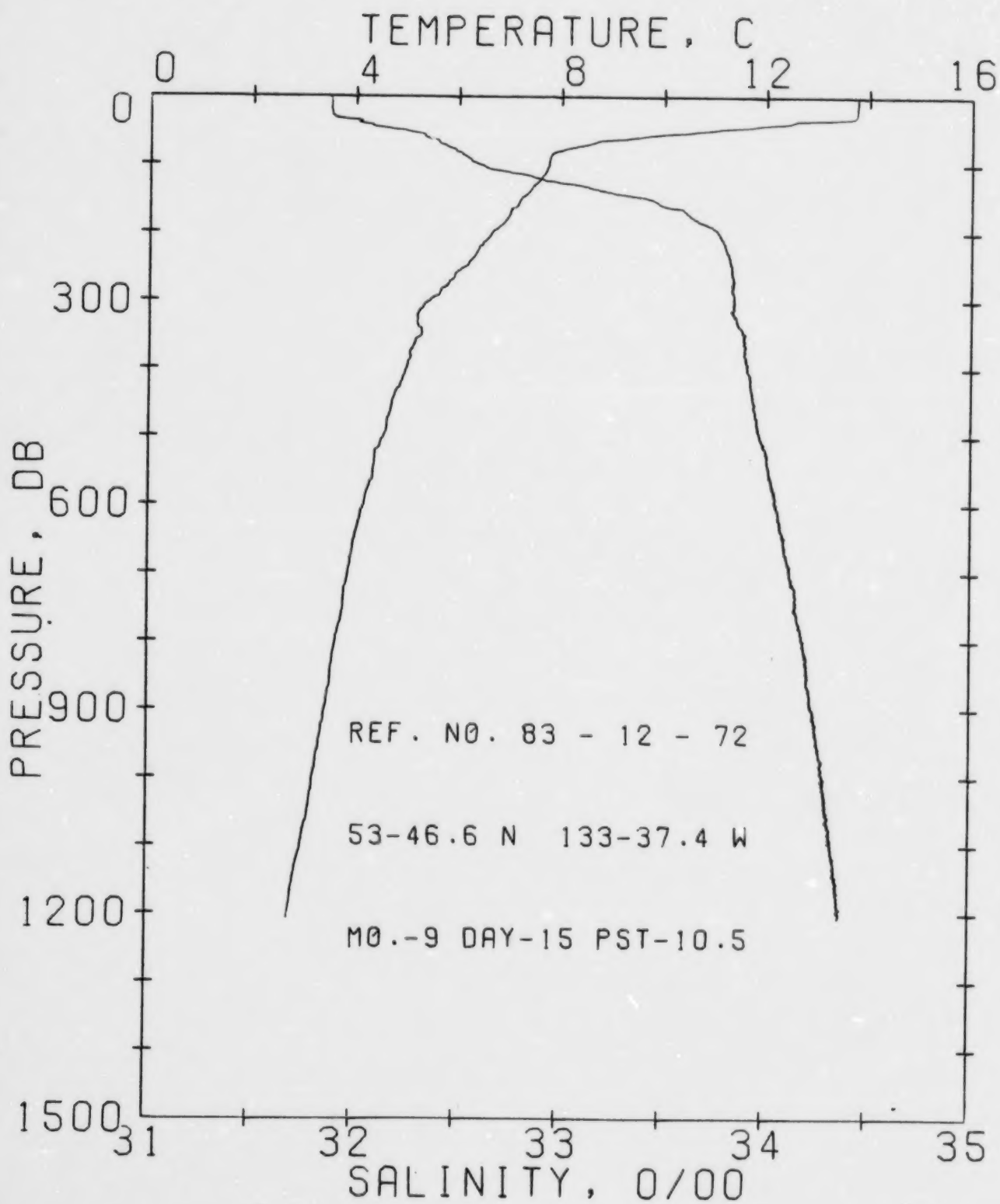
STATION Q70

RESULTS OF STP CAST 1209 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.60 | 31.90 | 0     | 23.90      | 401.3 | .00        | .00        | 1499. |
| 10    | 13.58 | 31.91 | 10    | 23.91      | 400.7 | .40        | .02        | 1499. |
| 20    | 13.58 | 31.91 | 20    | 23.91      | 401.1 | .80        | .08        | 1499. |
| 30    | 13.52 | 31.94 | 30    | 23.95      | 397.5 | 1.20       | .18        | 1499. |
| 50    | 9.52  | 32.31 | 50    | 24.96      | 301.6 | 1.93       | .48        | 1486. |
| 75    | 8.26  | 32.43 | 75    | 25.24      | 274.8 | 2.64       | .93        | 1482. |
| 100   | 7.85  | 32.63 | 99    | 25.46      | 254.6 | 3.30       | 1.52       | 1481. |
| 125   | 7.59  | 32.96 | 124   | 25.75      | 226.9 | 3.90       | 2.20       | 1481. |
| 150   | 7.29  | 33.40 | 149   | 26.14      | 190.6 | 4.42       | 2.93       | 1481. |
| 175   | 6.93  | 33.63 | 174   | 26.37      | 168.6 | 4.86       | 3.66       | 1480. |
| 200   | 6.64  | 33.75 | 199   | 26.50      | 156.6 | 5.27       | 4.43       | 1479. |
| 225   | 6.41  | 33.80 | 223   | 26.58      | 149.9 | 5.65       | 5.26       | 1479. |
| 250   | 6.02  | 33.84 | 248   | 26.65      | 142.8 | 6.02       | 6.15       | 1478. |
| 300   | 5.37  | 33.83 | 298   | 26.73      | 135.8 | 6.71       | 8.09       | 1476. |
| 400   | 4.99  | 33.92 | 397   | 26.84      | 126.0 | 8.02       | 12.75      | 1476. |
| 500   | 4.49  | 33.99 | 496   | 26.95      | 115.9 | 9.23       | 18.27      | 1476. |
| 600   | 4.21  | 34.06 | 595   | 27.04      | 108.6 | 10.34      | 24.53      | 1476. |
| 800   | 3.69  | 34.18 | 793   | 27.19      | 95.1  | 12.39      | 39.11      | 1478. |
| 1000  | 3.25  | 34.28 | 990   | 27.31      | 84.1  | 14.18      | 55.49      | 1479. |
| 1200  | 2.82  | 34.36 | 1188  | 27.41      | 75.0  | 15.81      | 73.64      | 1481. |

146



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 72

DATE 15/ 9/83

POSITION 53-46.6N, 133-37.4W

10.5

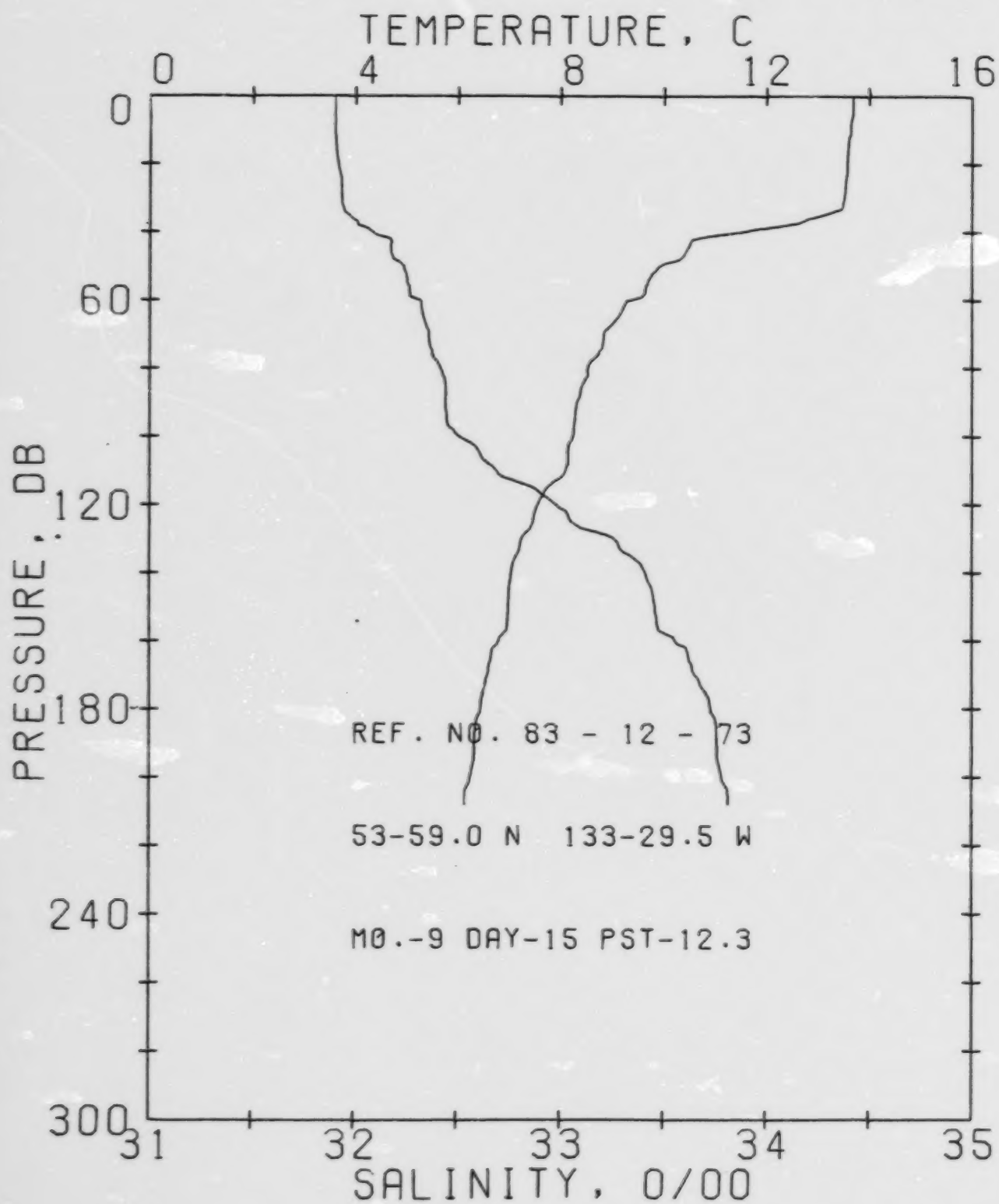
STATION Q23

RESULTS OF STP CAST 1202 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.78 | 31.88 | 0     | 23.85      | 406.3 | .00        | .00        | 1500. |
| 10    | 13.78 | 31.88 | 10    | 23.85      | 406.4 | .41        | .02        | 1500. |
| 20    | 13.77 | 31.88 | 20    | 23.85      | 406.6 | .81        | .08        | 1500. |
| 30    | 13.71 | 31.90 | 30    | 23.87      | 404.7 | 1.22       | .19        | 1500. |
| 50    | 10.66 | 32.25 | 50    | 24.72      | 324.0 | 1.95       | .48        | 1490. |
| 75    | 8.15  | 32.46 | 75    | 25.29      | 270.6 | 2.68       | .94        | 1481. |
| 100   | 7.77  | 32.61 | 99    | 25.46      | 254.5 | 3.33       | 1.52       | 1481. |
| 125   | 7.55  | 32.99 | 124   | 25.78      | 223.9 | 3.93       | 2.21       | 1481. |
| 150   | 7.22  | 33.45 | 149   | 26.19      | 185.7 | 4.44       | 2.93       | 1480. |
| 175   | 7.00  | 33.63 | 174   | 26.36      | 169.5 | 4.89       | 3.66       | 1480. |
| 200   | 6.67  | 33.77 | 199   | 26.52      | 155.2 | 5.29       | 4.43       | 1479. |
| 225   | 6.40  | 33.81 | 223   | 26.58      | 149.4 | 5.67       | 5.25       | 1479. |
| 250   | 6.14  | 33.84 | 248   | 26.64      | 144.2 | 6.04       | 6.14       | 1478. |
| 300   | 5.45  | 33.85 | 298   | 26.73      | 135.6 | 6.74       | 8.10       | 1476. |
| 400   | 5.01  | 33.91 | 397   | 26.84      | 126.3 | 8.04       | 12.75      | 1476. |
| 500   | 4.58  | 33.98 | 496   | 26.94      | 117.5 | 9.26       | 18.33      | 1476. |
| 600   | 4.19  | 34.06 | 595   | 27.04      | 107.9 | 10.39      | 24.64      | 1476. |
| 800   | 3.66  | 34.19 | 793   | 27.20      | 94.3  | 12.41      | 39.00      | 1477. |
| 1000  | 3.22  | 34.29 | 990   | 27.32      | 82.9  | 14.19      | 55.29      | 1479. |
| 1200  | 2.76  | 34.38 | 1188  | 27.43      | 72.8  | 15.76      | 72.82      | 1480. |

148



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 73

DATE 15/ 9/83

POSITION 53-59.0N, 133-29.5W

12.3

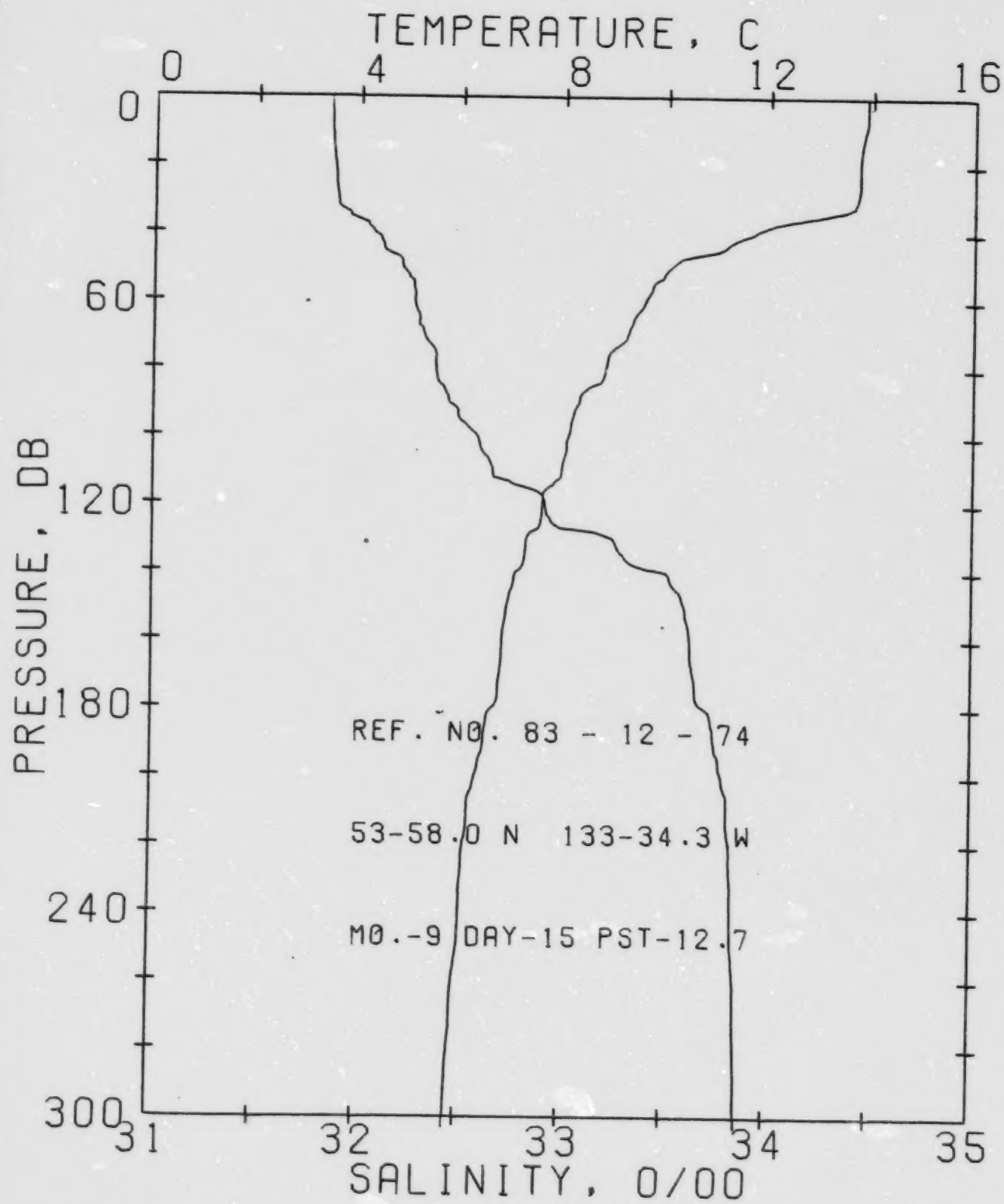
STATION E 2

RESULTS OF STP CAST 209 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.69 | 31.90 | 0     | 23.88      | 403.0 | .00        | .00        | 1499. |
| 10    | 13.64 | 31.90 | 10    | 23.89      | 402.6 | .40        | .02        | 1499. |
| 20    | 13.57 | 31.92 | 20    | 23.92      | 400.3 | .80        | .08        | 1499. |
| 30    | 13.52 | 31.93 | 30    | 23.94      | 398.2 | 1.20       | .18        | 1499. |
| 50    | 9.91  | 32.24 | 50    | 24.84      | 313.2 | 1.91       | .47        | 1487. |
| 75    | 8.75  | 32.38 | 75    | 25.13      | 285.7 | 2.66       | .94        | 1484. |
| 100   | 8.24  | 32.51 | 99    | 25.31      | 269.0 | 3.35       | 1.56       | 1482. |
| 125   | 7.47  | 33.05 | 124   | 25.84      | 218.2 | 3.96       | 2.25       | 1480. |
| 150   | 6.99  | 33.46 | 149   | 26.23      | 181.8 | 4.44       | 2.93       | 1479. |
| 175   | 6.50  | 33.71 | 174   | 26.49      | 157.5 | 4.87       | 3.63       | 1478. |
| 200   | 6.26  | 33.78 | 199   | 26.58      | 148.9 | 5.25       | 4.36       | 1478. |

150





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 74

DATE 15/ 9/83

POSITION 53-58.0N, 133-34.3W

12.7

STATION E 3

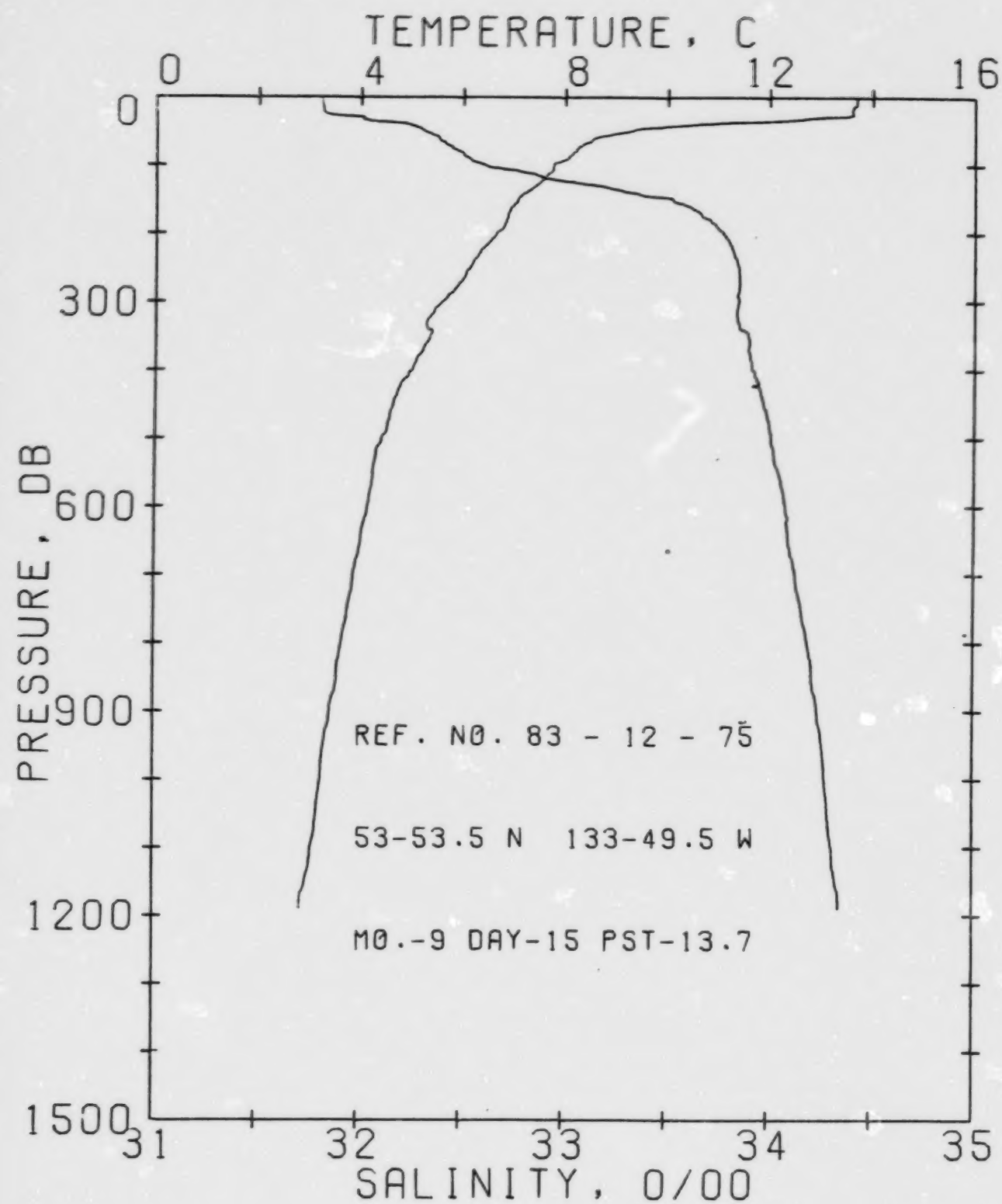
RESULTS OF STP CAST 304 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.89 | 31.86 | 0     | 23.81      | 410.1 | .00        | .00        | 1500. |
| 10    | 13.85 | 31.86 | 10    | 23.82      | 409.3 | .41        | .02        | 1500. |
| 20    | 13.75 | 31.88 | 20    | 23.85      | 406.5 | .82        | .08        | 1500. |
| 30    | 13.71 | 31.89 | 30    | 23.87      | 404.8 | 1.22       | .19        | 1500. |
| 50    | 10.08 | 32.21 | 50    | 24.79      | 317.8 | 1.94       | .48        | 1488. |
| 75    | 8.91  | 32.38 | 75    | 25.10      | 288.0 | 2.70       | .96        | 1484. |
| 100   | 8.10  | 32.59 | 99    | 25.39      | 261.1 | 3.39       | 1.57       | 1482. |
| 125   | 7.58  | 32.95 | 124   | 25.75      | 227.6 | 4.00       | 2.27       | 1481. |
| 150   | 6.93  | 33.60 | 149   | 26.35      | 170.9 | 4.48       | 2.94       | 1479. |
| 175   | 6.78  | 33.65 | 174   | 26.41      | 165.0 | 4.90       | 3.63       | 1479. |
| 200   | 6.34  | 33.79 | 199   | 26.57      | 149.8 | 5.29       | 4.38       | 1478. |
| 225   | 6.10  | 33.83 | 223   | 26.64      | 143.9 | 5.66       | 5.17       | 1478. |
| 250   | 6.03  | 33.84 | 248   | 26.65      | 142.6 | 6.01       | 6.04       | 1478. |
| 300   | 5.79  | 33.87 | 298   | 26.71      | 138.3 | 6.71       | 7.99       | 1478. |



152



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 75

DATE 15/ 9/83

POSITION 53-53.5N, 133-49.5W

13.7

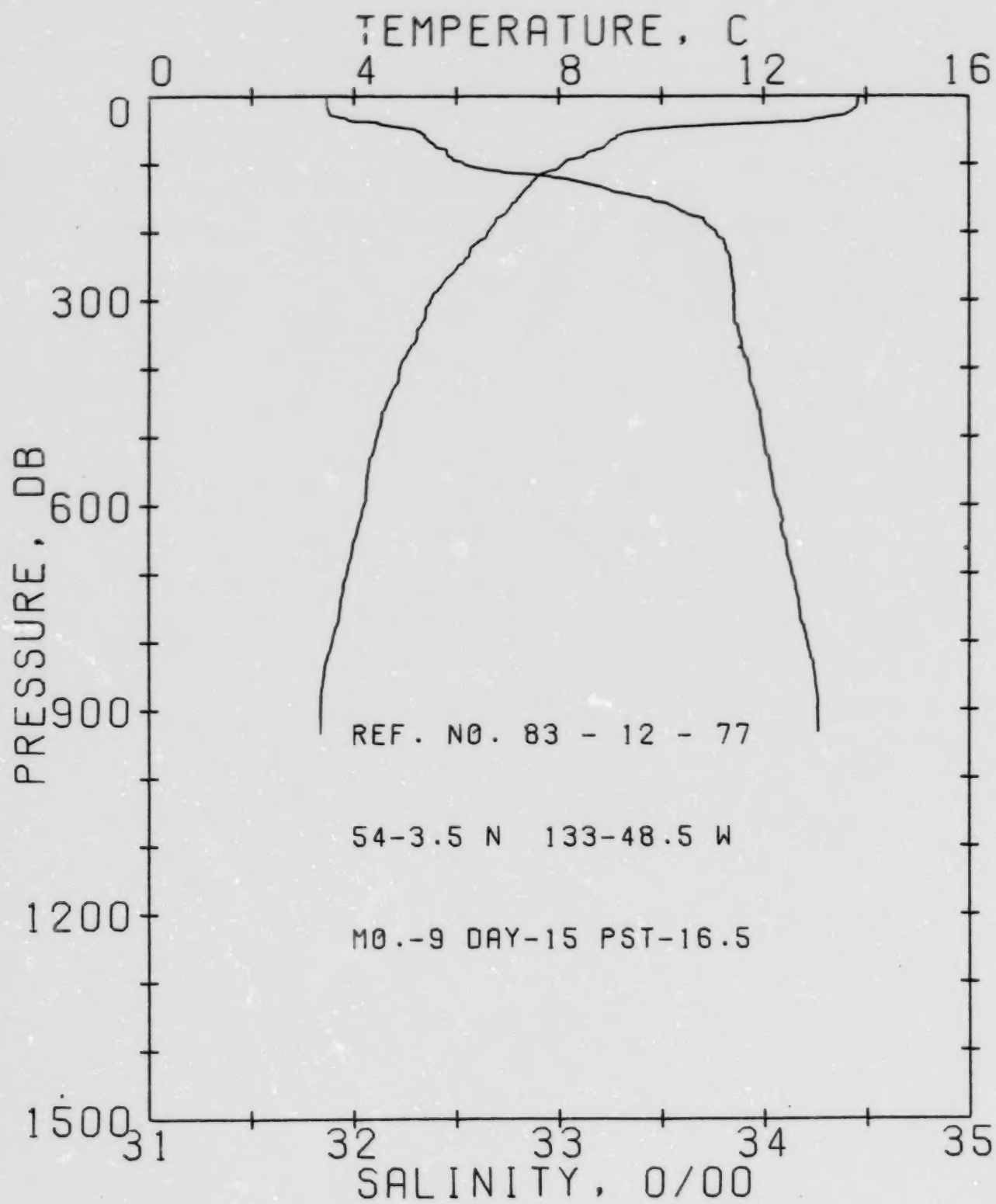
STATION Q21

RESULTS OF STP CAST 1190 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.70 | 31.81 | 0     | 23.81      | 410.1 | .00        | .00        | 1499. |
| 10    | 13.70 | 31.81 | 10    | 23.81      | 410.1 | .41        | .02        | 1499. |
| 20    | 13.61 | 31.82 | 20    | 23.83      | 408.2 | .82        | .08        | 1499. |
| 30    | 12.77 | 32.01 | 30    | 24.15      | 378.1 | 1.22       | .19        | 1497. |
| 50    | 9.23  | 32.31 | 50    | 25.00      | 297.2 | 1.88       | .45        | 1485. |
| 75    | 8.24  | 32.45 | 75    | 25.26      | 273.0 | 2.58       | .90        | 1482. |
| 100   | 7.77  | 32.61 | 99    | 25.46      | 254.4 | 3.24       | 1.49       | 1481. |
| 125   | 7.50  | 33.05 | 124   | 25.84      | 218.6 | 3.84       | 2.17       | 1480. |
| 150   | 7.07  | 33.53 | 149   | 26.27      | 177.9 | 4.33       | 2.86       | 1480. |
| 175   | 6.88  | 33.67 | 174   | 26.41      | 164.9 | 4.76       | 3.56       | 1480. |
| 200   | 6.65  | 33.77 | 199   | 26.52      | 154.7 | 5.16       | 4.32       | 1479. |
| 225   | 6.35  | 33.82 | 223   | 26.60      | 147.7 | 5.53       | 5.14       | 1479. |
| 250   | 6.14  | 33.85 | 248   | 26.65      | 143.3 | 5.90       | 6.02       | 1478. |
| 300   | 5.59  | 33.85 | 298   | 26.72      | 137.1 | 6.60       | 7.98       | 1477. |
| 400   | 4.99  | 33.92 | 397   | 26.85      | 125.5 | 7.92       | 12.67      | 1476. |
| 500   | 4.42  | 34.01 | 496   | 26.98      | 113.7 | 9.10       | 18.10      | 1475. |
| 600   | 4.16  | 34.08 | 595   | 27.06      | 106.1 | 10.20      | 24.24      | 1476. |
| 800   | 3.67  | 34.19 | 793   | 27.20      | 94.1  | 12.21      | 38.54      | 1477. |
| 1000  | 3.27  | 34.28 | 990   | 27.31      | 84.5  | 13.99      | 54.79      | 1479. |
| 1200  | 2.88  | 34.34 | 1188  | 27.39      | 76.8  | 15.60      | 72.79      | 1481. |

154



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 77

DATE 15/ 9/83

POSITION 54- 3.5N, 133-48.5W

16.5

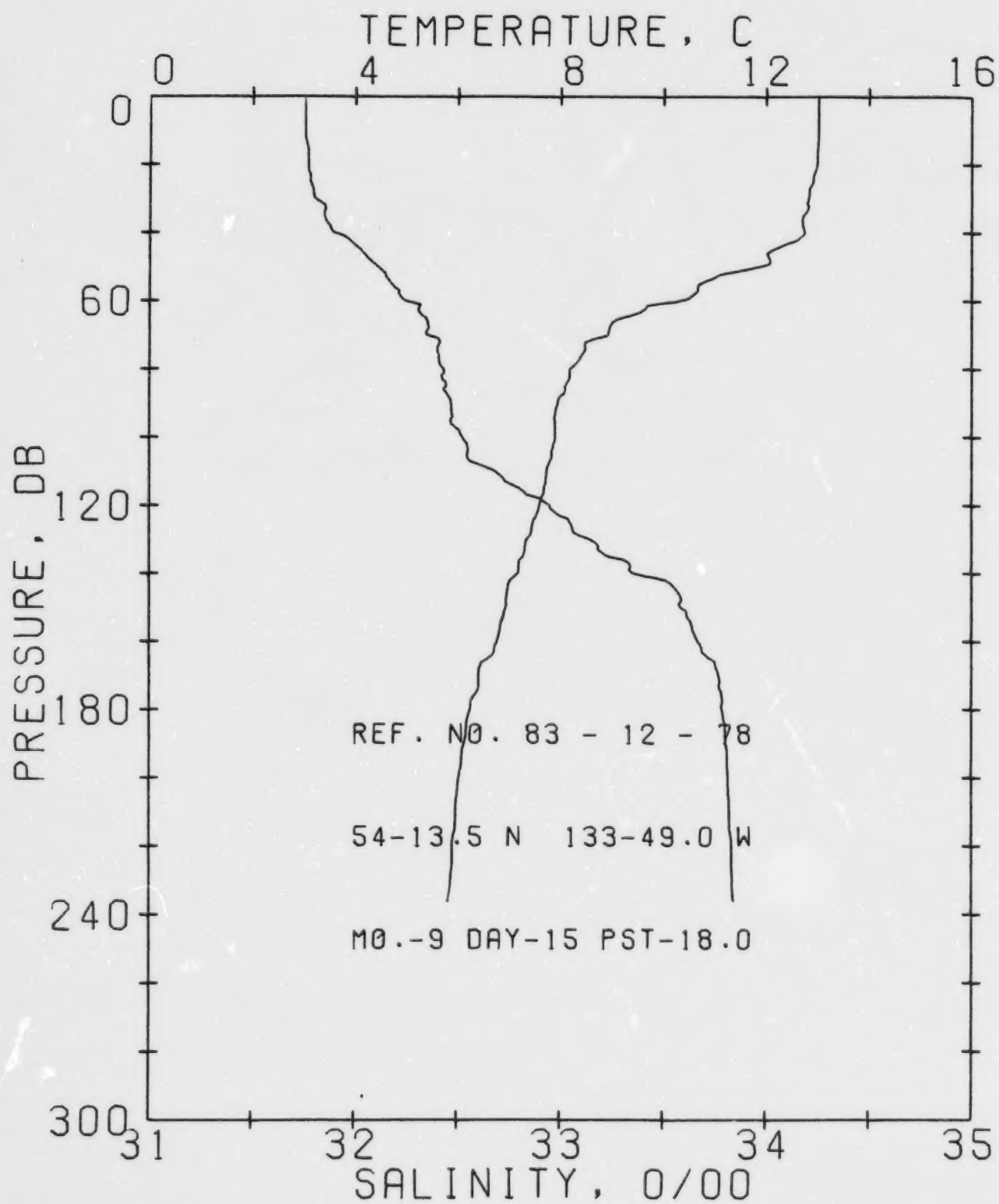
STATION Q102

RESULTS OF STP CAST 934 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.85 | 31.87 | 0     | 23.83      | 408.4 | .00        | .00        | 1500. |
| 10    | 13.84 | 31.87 | 10    | 23.83      | 408.6 | .41        | .02        | 1500. |
| 20    | 13.77 | 31.88 | 20    | 23.85      | 407.0 | .82        | .08        | 1500. |
| 30    | 13.29 | 31.92 | 30    | 23.98      | 394.6 | 1.22       | .19        | 1499. |
| 50    | 9.56  | 32.31 | 50    | 24.95      | 302.6 | 1.92       | .47        | 1486. |
| 75    | 8.89  | 32.40 | 75    | 25.13      | 285.8 | 2.65       | .93        | 1484. |
| 100   | 8.09  | 32.54 | 99    | 25.36      | 264.2 | 3.34       | 1.54       | 1482. |
| 125   | 7.49  | 33.10 | 124   | 25.88      | 215.1 | 3.94       | 2.23       | 1480. |
| 150   | 7.20  | 33.45 | 149   | 26.19      | 185.3 | 4.44       | 2.93       | 1480. |
| 175   | 6.90  | 33.65 | 174   | 26.39      | 166.8 | 4.88       | 3.66       | 1480. |
| 200   | 6.61  | 33.77 | 199   | 26.52      | 154.6 | 5.28       | 4.42       | 1479. |
| 225   | 6.27  | 33.81 | 223   | 26.60      | 147.3 | 5.65       | 5.23       | 1478. |
| 250   | 6.03  | 33.84 | 248   | 26.65      | 142.6 | 6.02       | 6.11       | 1478. |
| 300   | 5.49  | 33.85 | 298   | 26.73      | 135.6 | 6.71       | 8.05       | 1476. |
| 400   | 4.88  | 33.93 | 397   | 26.86      | 123.8 | 8.02       | 12.70      | 1476. |
| 500   | 4.45  | 34.00 | 496   | 26.96      | 114.8 | 9.21       | 18.16      | 1476. |
| 600   | 4.20  | 34.07 | 595   | 27.05      | 107.3 | 10.32      | 24.37      | 1476. |
| 800   | 3.57  | 34.21 | 793   | 27.23      | 91.4  | 12.31      | 38.50      | 1477. |

156



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 78

DATE 15/ 9/83

POSITION 54-13.5N, 133-49.0W

18.0

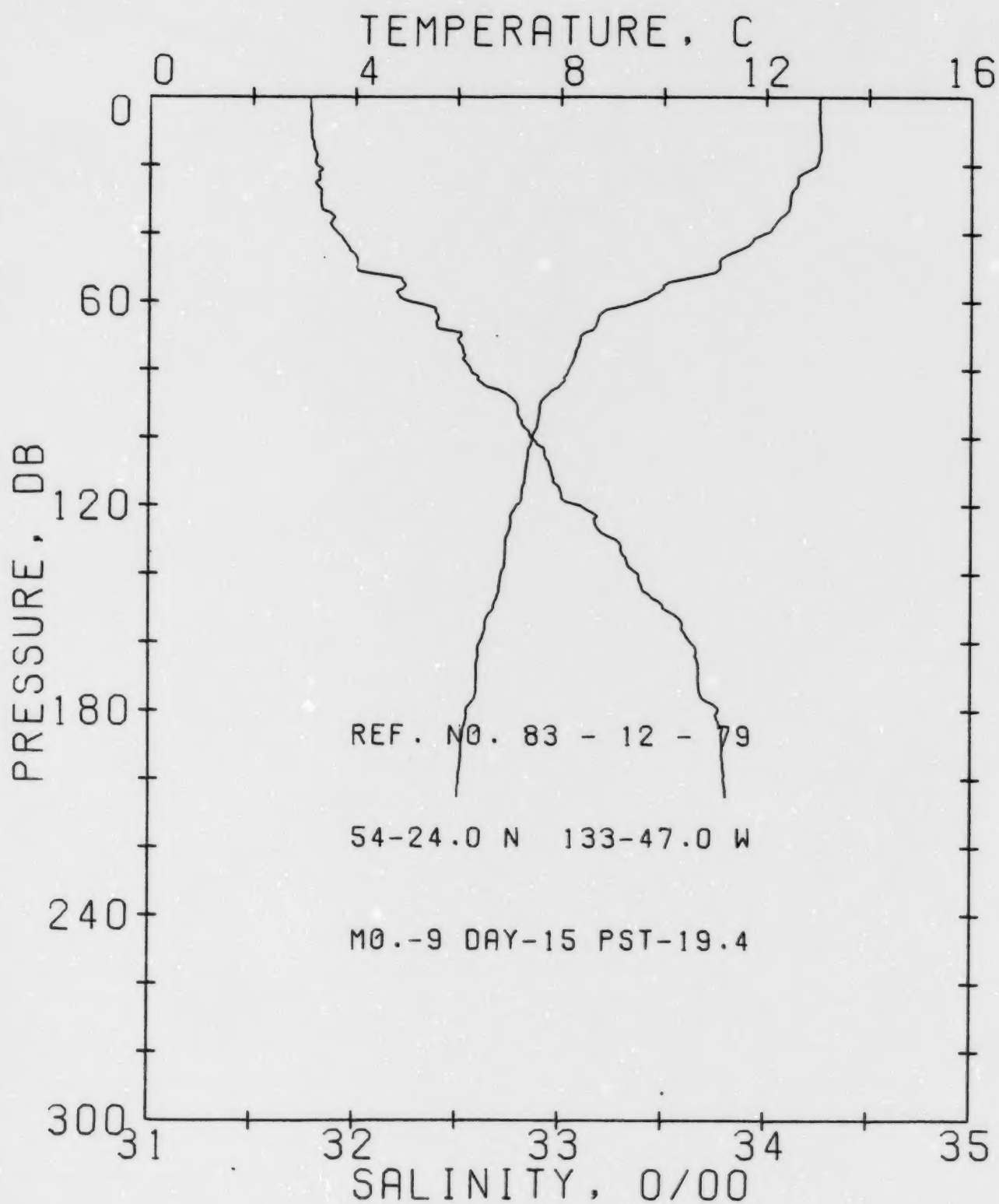
STATION Q103

RESULTS OF STP CAST 237 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.02 | 31.76 | 0     | 23.90      | 401.1 | .00        | .00        | 1497. |
| 10    | 13.02 | 31.76 | 10    | 23.90      | 401.4 | .40        | .02        | 1497. |
| 20    | 13.00 | 31.77 | 20    | 23.92      | 400.1 | .80        | .08        | 1497. |
| 30    | 12.83 | 31.80 | 30    | 23.98      | 394.7 | 1.20       | .18        | 1497. |
| 50    | 11.85 | 32.11 | 50    | 24.40      | 354.7 | 1.96       | .49        | 1494. |
| 75    | 8.45  | 32.40 | 75    | 25.19      | 279.6 | 2.73       | .98        | 1482. |
| 100   | 7.90  | 32.52 | 99    | 25.37      | 263.0 | 3.40       | 1.58       | 1481. |
| 125   | 7.47  | 33.05 | 124   | 25.84      | 218.6 | 4.01       | 2.28       | 1480. |
| 150   | 6.95  | 33.58 | 149   | 26.33      | 172.1 | 4.50       | 2.95       | 1479. |
| 175   | 6.37  | 33.78 | 174   | 26.57      | 150.0 | 4.90       | 3.61       | 1478. |
| 200   | 6.02  | 33.82 | 199   | 26.64      | 143.5 | 5.26       | 4.31       | 1477. |
| 225   | 5.90  | 33.83 | 223   | 26.67      | 141.2 | 5.62       | 5.08       | 1477. |

158





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 79

DATE 15/ 9/83

POSITION 54-24.0N, 133-47.0W

19.4

STATION Q34

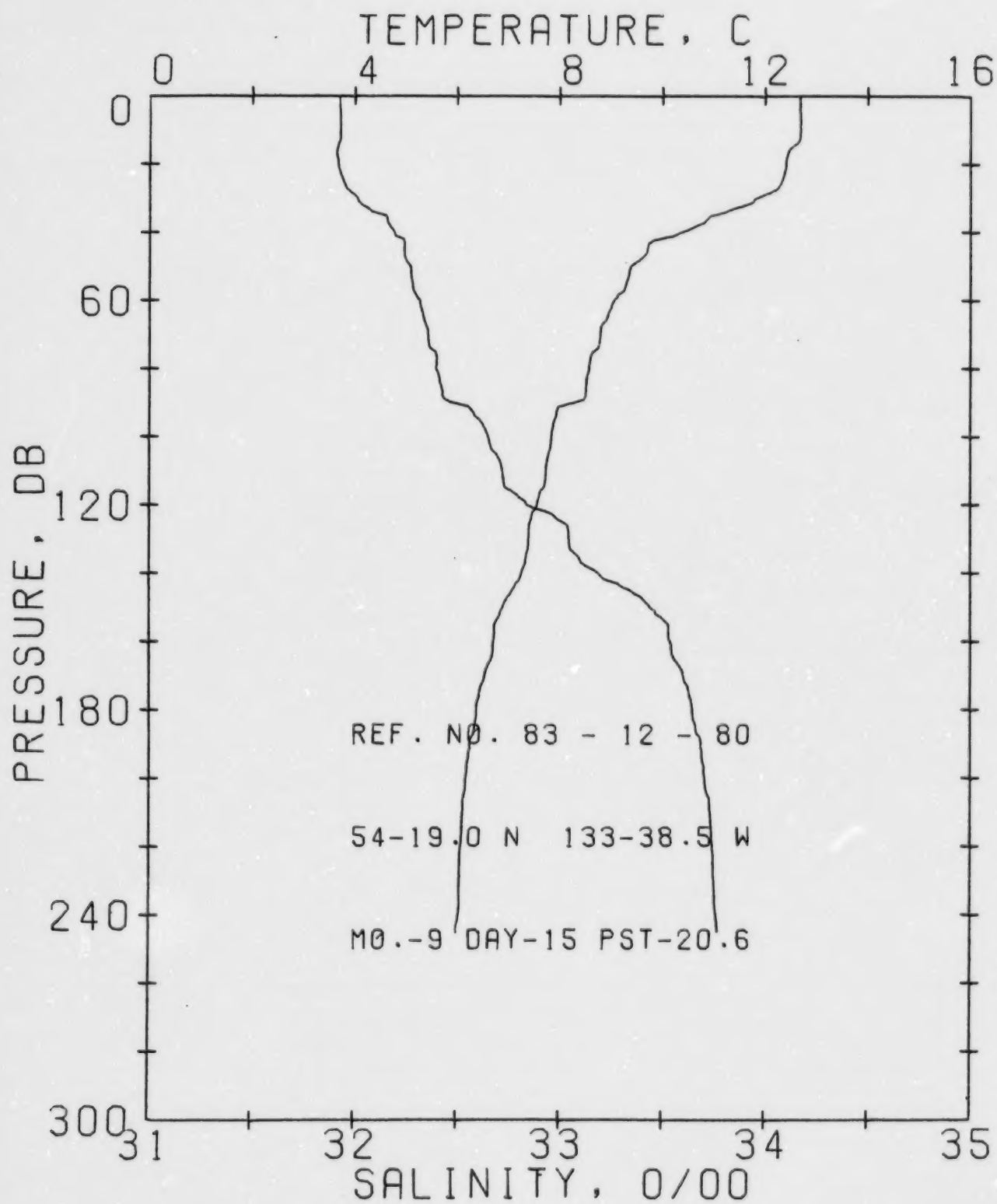
RESULTS OF STP CAST 206 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.03 | 31.78 | 0     | 23.92      | 399.6 | .00        | .00        | 1497. |
| 10    | 13.05 | 31.78 | 10    | 23.92      | 399.8 | .40        | .02        | 1497. |
| 20    | 12.99 | 31.81 | 20    | 23.95      | 396.9 | .80        | .08        | 1497. |
| 30    | 12.47 | 31.83 | 30    | 24.07      | 386.2 | 1.19       | .18        | 1496. |
| 50    | 11.10 | 32.00 | 50    | 24.45      | 349.9 | 1.92       | .48        | 1491. |
| 75    | 8.29  | 32.53 | 75    | 25.32      | 267.6 | 2.67       | .95        | 1482. |
| 100   | 7.48  | 32.86 | 99    | 25.69      | 232.4 | 3.29       | 1.50       | 1480. |
| 125   | 7.05  | 33.17 | 124   | 25.99      | 203.9 | 3.84       | 2.13       | 1479. |
| 150   | 6.72  | 33.50 | 149   | 26.30      | 175.1 | 4.31       | 2.79       | 1478. |
| 175   | 6.37  | 33.68 | 174   | 26.49      | 157.4 | 4.71       | 3.46       | 1478. |
| 200   | 6.05  | 33.80 | 199   | 26.62      | 145.4 | 5.08       | 4.16       | 1477. |



160



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 80

DATE 15/ 9/83

POSITION 54-19.0N, 133-38.5W

20.6

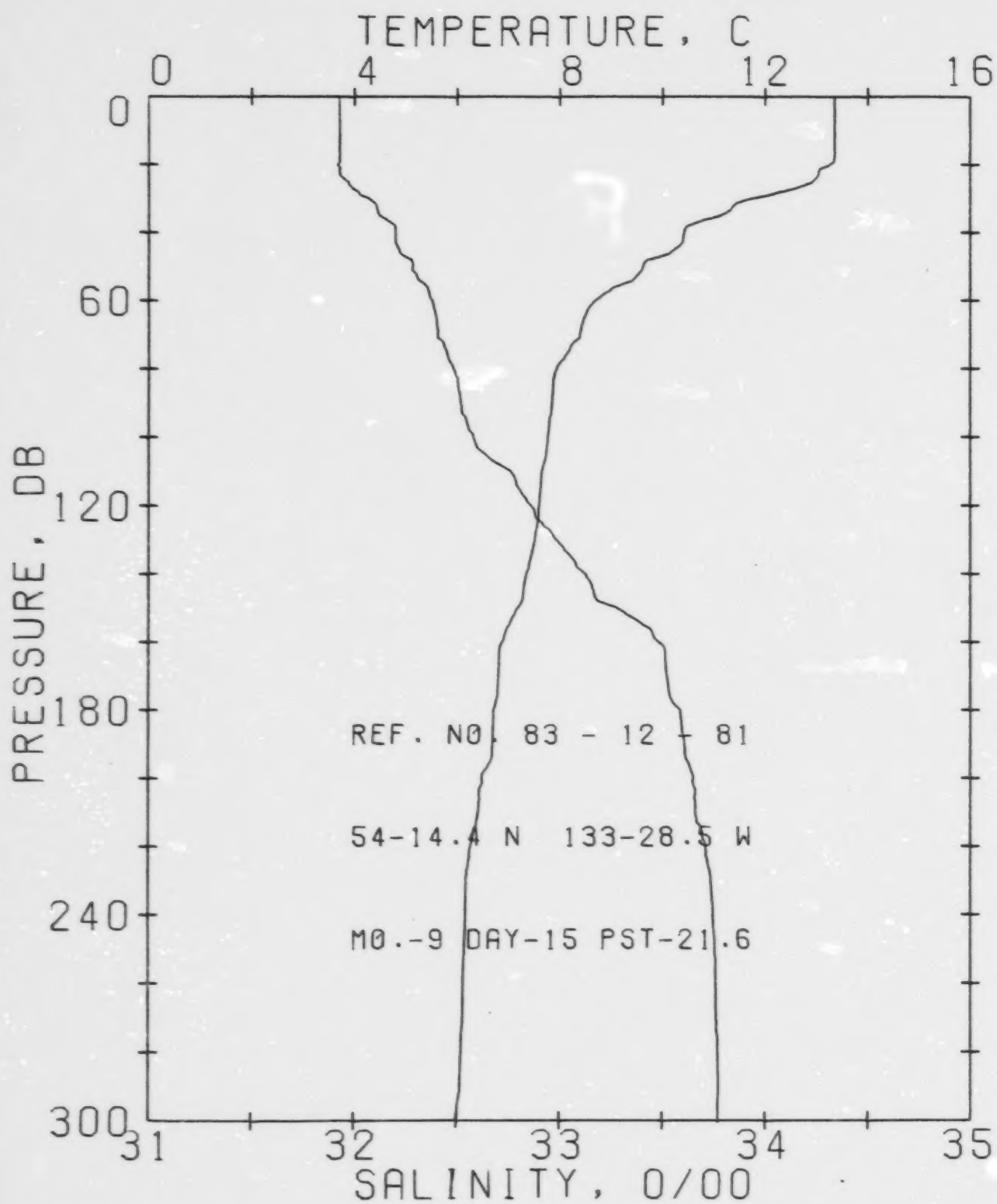
STATION Q33

RESULTS OF STP CAST 246 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.68 | 31.93 | 0     | 24.10      | 382.3 | .00        | .00        | 1496. |
| 10    | 12.69 | 31.93 | 10    | 24.10      | 382.6 | .38        | .02        | 1496. |
| 20    | 12.41 | 31.92 | 20    | 24.15      | 378.3 | .76        | .08        | 1495. |
| 30    | 11.82 | 32.02 | 30    | 24.33      | 360.9 | 1.14       | .17        | 1494. |
| 50    | 9.38  | 32.28 | 50    | 24.95      | 302.1 | 1.79       | .44        | 1485. |
| 75    | 8.66  | 32.40 | 75    | 25.16      | 282.7 | 2.52       | .90        | 1483. |
| 100   | 7.84  | 32.65 | 99    | 25.48      | 252.5 | 3.20       | 1.50       | 1481. |
| 125   | 7.43  | 33.02 | 124   | 25.82      | 220.4 | 3.80       | 2.20       | 1480. |
| 150   | 6.91  | 33.44 | 149   | 26.23      | 182.0 | 4.32       | 2.92       | 1479. |
| 175   | 6.46  | 33.63 | 174   | 26.44      | 162.3 | 4.75       | 3.62       | 1478. |
| 200   | 6.19  | 33.71 | 199   | 26.53      | 153.6 | 5.14       | 4.37       | 1477. |
| 225   | 6.07  | 33.75 | 223   | 26.58      | 149.5 | 5.52       | 5.19       | 1477. |

162



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 81

DATE 15/ 9/83

POSITION 54-14.4N, 133-28.5W

21.6

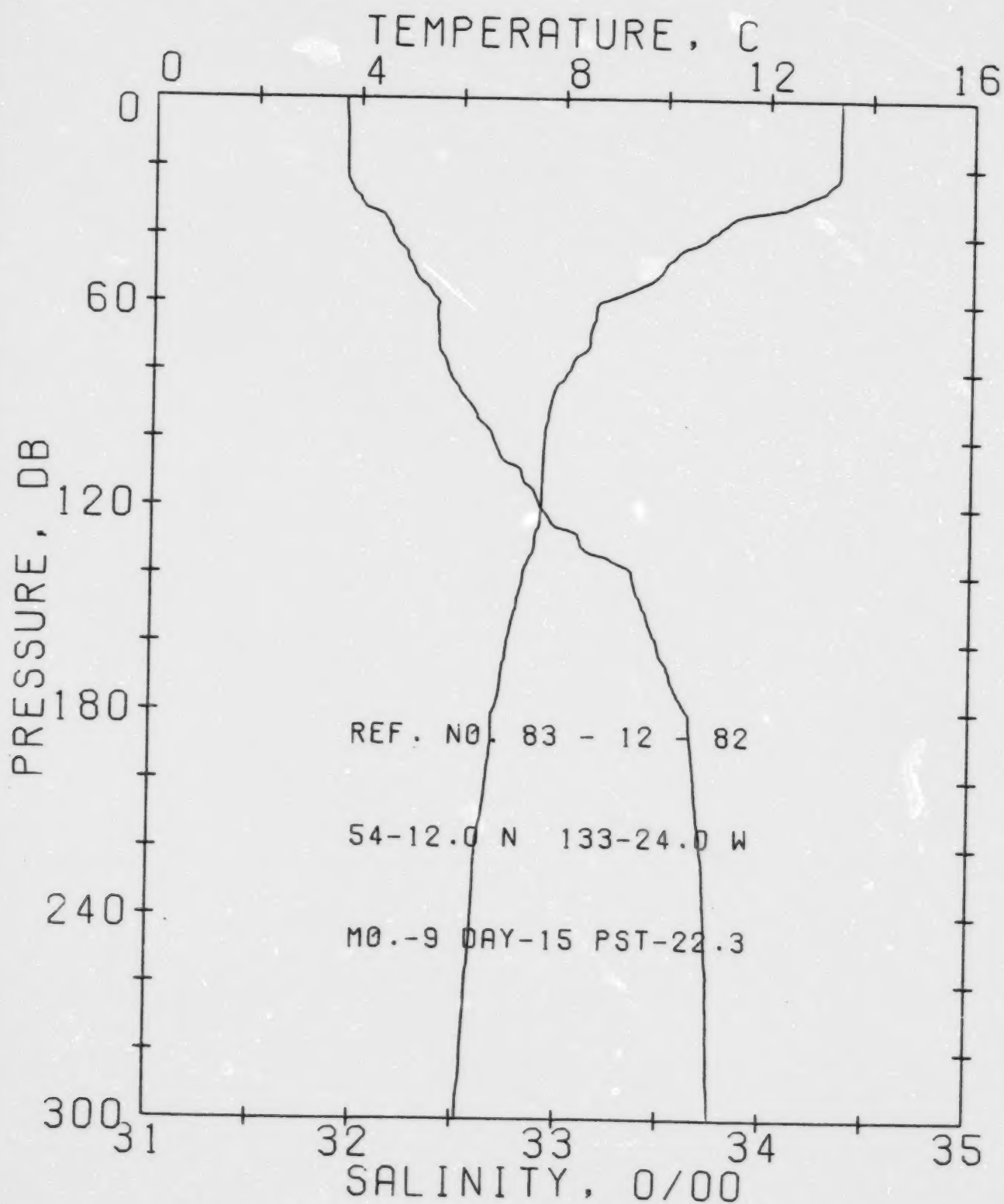
STATION Q32

RESULTS OF STP CAST 398 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.36 | 31.93 | 0     | 23.97      | 394.8 | .00        | .00        | 1498. |
| 10    | 13.35 | 31.93 | 10    | 23.97      | 394.9 | .39        | .02        | 1498. |
| 20    | 13.27 | 31.92 | 20    | 23.98      | 394.2 | .79        | .08        | 1498. |
| 30    | 11.69 | 32.08 | 30    | 24.40      | 354.2 | 1.17       | .18        | 1493. |
| 50    | 9.63  | 32.29 | 50    | 24.92      | 305.2 | 1.82       | .44        | 1486. |
| 75    | 8.18  | 32.45 | 75    | 25.27      | 271.7 | 2.54       | .89        | 1482. |
| 100   | 7.78  | 32.58 | 99    | 25.43      | 256.9 | 3.20       | 1.48       | 1481. |
| 125   | 7.58  | 32.92 | 124   | 25.72      | 229.6 | 3.80       | 2.17       | 1481. |
| 150   | 7.19  | 33.28 | 149   | 26.06      | 197.6 | 4.34       | 2.93       | 1480. |
| 175   | 6.81  | 33.53 | 174   | 26.31      | 174.2 | 4.79       | 3.67       | 1479. |
| 200   | 6.50  | 33.65 | 199   | 26.45      | 161.8 | 5.21       | 4.47       | 1479. |
| 225   | 6.24  | 33.72 | 223   | 26.54      | 153.7 | 5.61       | 5.33       | 1478. |
| 250   | 6.16  | 33.75 | 248   | 26.57      | 150.5 | 5.98       | 6.25       | 1478. |
| 300   | 6.00  | 33.77 | 298   | 26.60      | 148.1 | 6.73       | 8.34       | 1478. |
| 400   | 5.56  | 33.86 | 397   | 26.73      | 137.1 | 8.16       | 13.39      | 1478. |

164



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 82

DATE 15/ 9/83

POSITION 54-12.0N, 133-24.0W

22.3

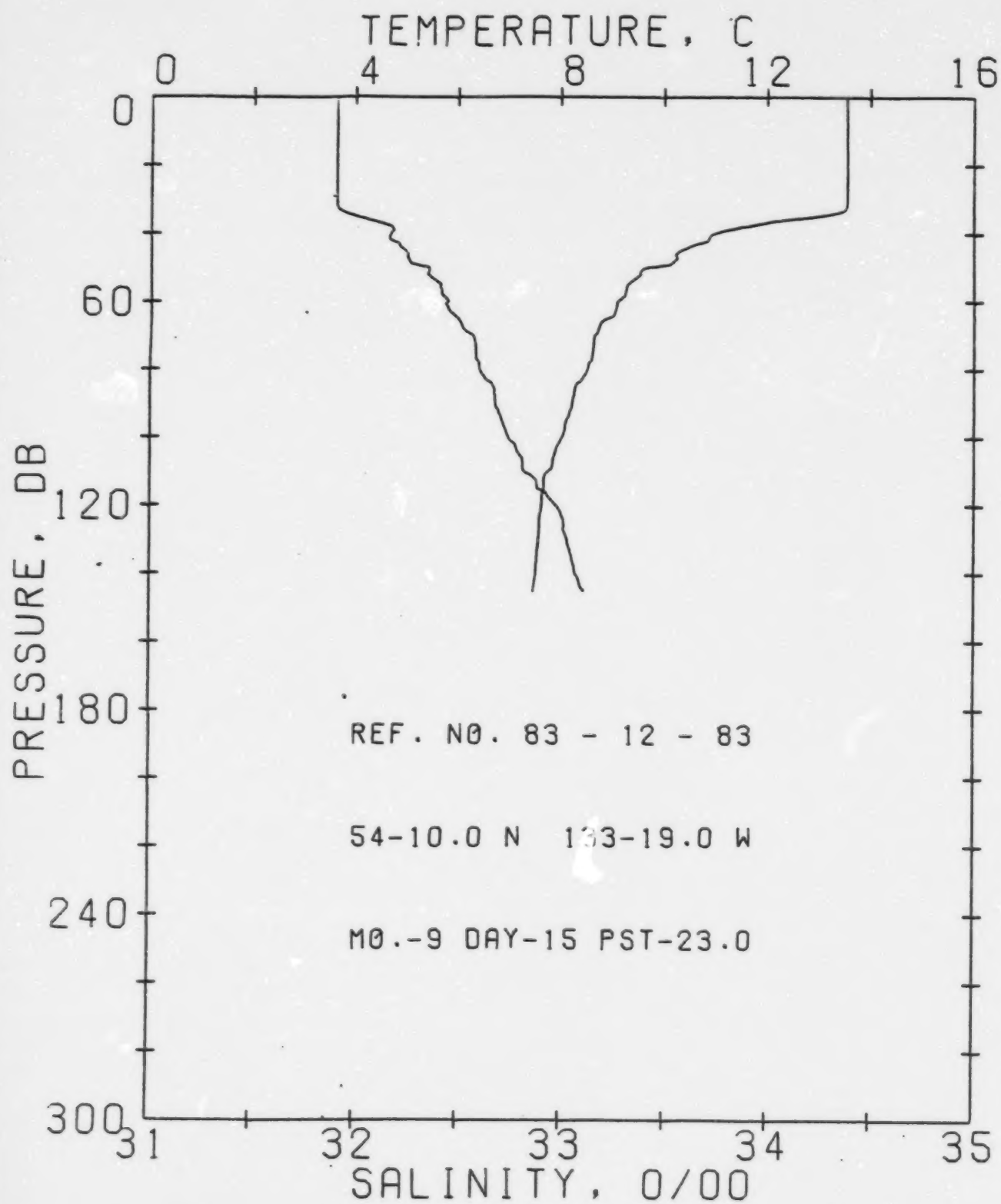
STATION Q31

RESULTS OF STP CAST 407 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.39 | 31.93 | 0     | 23.96      | 395.5 | .00        | .00        | 1498. |
| 10    | 13.37 | 31.93 | 10    | 23.97      | 394.8 | .40        | .02        | 1498. |
| 20    | 13.37 | 31.93 | 20    | 23.97      | 395.1 | .79        | .08        | 1499. |
| 30    | 12.65 | 32.00 | 30    | 24.16      | 376.9 | 1.18       | .18        | 1496. |
| 50    | 9.95  | 32.26 | 50    | 24.85      | 311.8 | 1.85       | .45        | 1488. |
| 75    | 8.36  | 32.41 | 75    | 25.21      | 277.9 | 2.57       | .91        | 1482. |
| 100   | 7.66  | 32.66 | 99    | 25.51      | 249.4 | 3.23       | 1.49       | 1480. |
| 125   | 7.58  | 32.95 | 124   | 25.75      | 227.1 | 3.83       | 2.17       | 1481. |
| 150   | 7.13  | 33.40 | 149   | 26.16      | 188.5 | 4.33       | 2.88       | 1480. |
| 175   | 6.81  | 33.57 | 174   | 26.34      | 171.8 | 4.78       | 3.63       | 1479. |
| 200   | 6.58  | 33.66 | 199   | 26.44      | 162.4 | 5.20       | 4.42       | 1479. |
| 225   | 6.37  | 33.71 | 223   | 26.51      | 156.4 | 5.59       | 5.28       | 1479. |
| 250   | 6.30  | 33.73 | 248   | 26.53      | 154.4 | 5.98       | 6.22       | 1479. |
| 300   | 6.10  | 33.76 | 298   | 26.58      | 150.3 | 6.74       | 8.35       | 1479. |
| 400   | 5.65  | 33.86 | 397   | 26.72      | 138.0 | 8.21       | 13.56      | 1479. |

166



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 83

DATE 15/ 9/83

POSITION 54-10.0N, 133-19.0W

23.0

STATION Q30

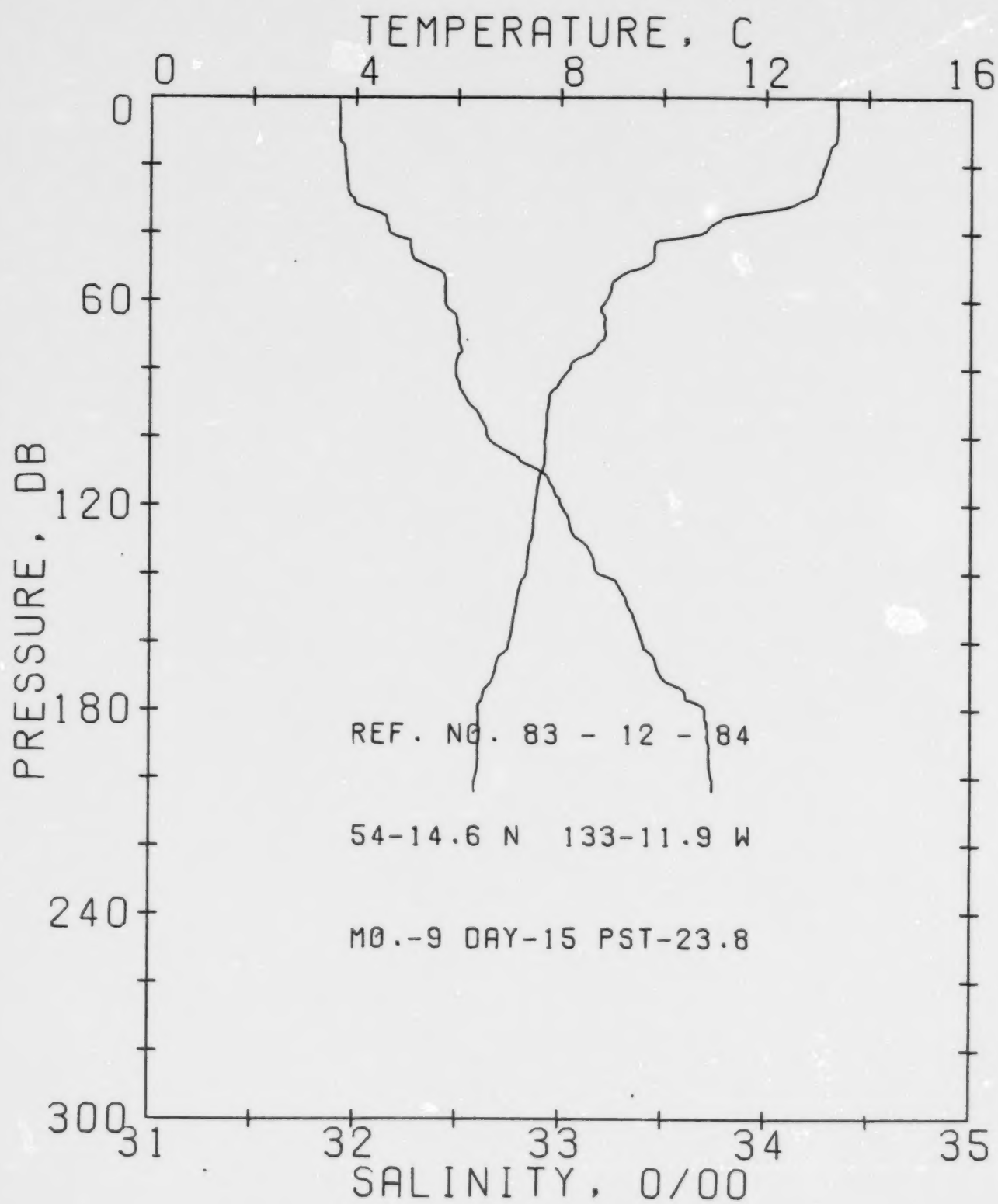
RESULTS OF STP CAST 146 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.55 | 31.91 | 0     | 23.92      | 399.8 | .00        | .00        | 1499. |
| 10    | 13.55 | 31.91 | 10    | 23.92      | 400.0 | .40        | .02        | 1499. |
| 20    | 13.55 | 31.91 | 20    | 23.92      | 400.3 | .80        | .08        | 1499. |
| 30    | 13.55 | 31.91 | 30    | 23.92      | 400.5 | 1.20       | .18        | 1499. |
| 50    | 9.62  | 32.36 | 50    | 24.98      | 299.6 | 1.90       | .46        | 1486. |
| 75    | 8.61  | 32.59 | 75    | 25.31      | 268.1 | 2.60       | .91        | 1483. |
| 100   | 8.02  | 32.74 | 99    | 25.52      | 248.3 | 3.25       | 1.48       | 1482. |
| 125   | 7.58  | 33.01 | 124   | 25.80      | 222.5 | 3.83       | 2.15       | 1481. |



168



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 84

DATE 15/ 9/83

POSITION 54-14.6N, 133-11.9W

23.8

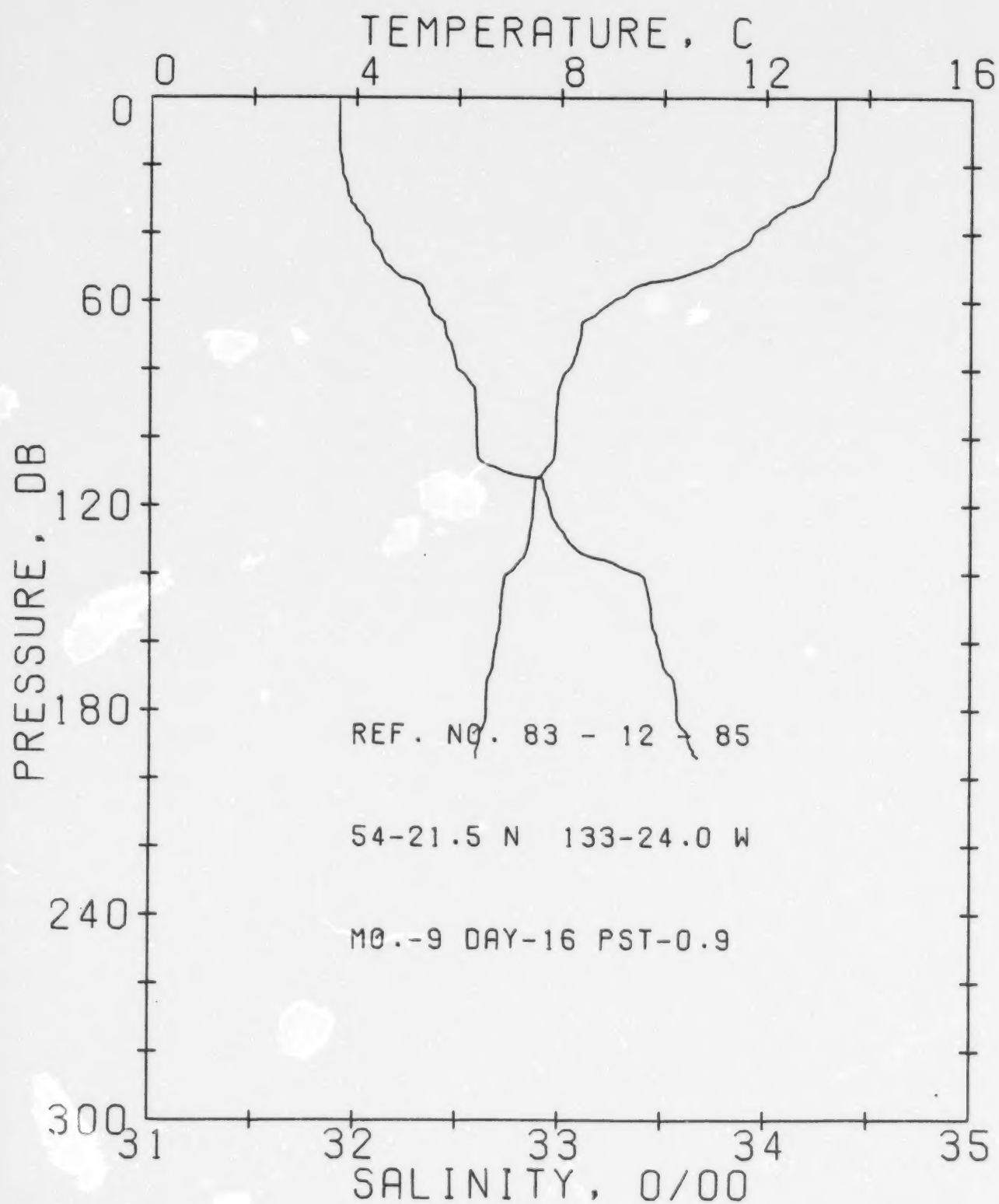
STATION Q29

RESULTS OF STP CAST 205 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.39 | 31.92 | 0     | 23.96      | 396.0 | .00        | .00        | 1498. |
| 10    | 13.40 | 31.92 | 10    | 23.96      | 396.3 | .40        | .02        | 1499. |
| 20    | 13.16 | 31.95 | 20    | 24.03      | 389.9 | .79        | .08        | 1498. |
| 30    | 12.70 | 32.00 | 30    | 24.15      | 378.3 | 1.18       | .18        | 1497. |
| 50    | 9.60  | 32.36 | 50    | 24.98      | 299.2 | 1.84       | .45        | 1486. |
| 75    | 8.63  | 32.52 | 75    | 25.26      | 273.1 | 2.54       | .89        | 1483. |
| 100   | 7.72  | 32.65 | 99    | 25.49      | 251.3 | 3.19       | 1.47       | 1480. |
| 125   | 7.49  | 33.05 | 124   | 25.84      | 218.9 | 3.77       | 2.13       | 1480. |
| 150   | 7.16  | 33.34 | 149   | 26.11      | 193.0 | 4.29       | 2.86       | 1480. |
| 175   | 6.53  | 33.61 | 174   | 26.41      | 164.8 | 4.74       | 3.61       | 1478. |
| 200   | 6.37  | 33.74 | 199   | 26.53      | 153.7 | 5.13       | 4.36       | 1478. |

170



171

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 85

DATE 16/ 9/83

POSITION 54-21.5N, 133-24.0W

.9

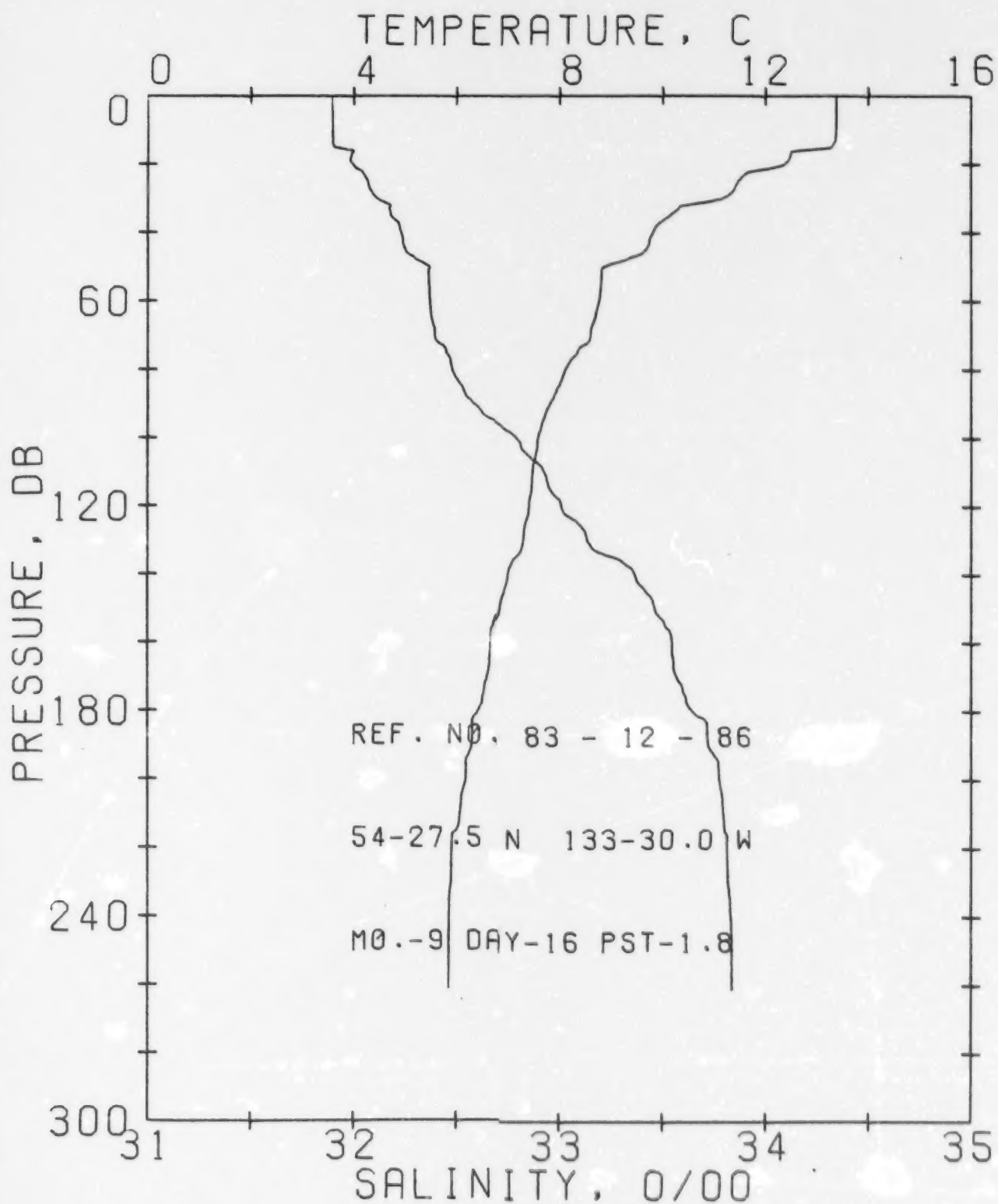
STATION Q64

RESULTS OF STP CAST 195 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.34 | 31.92 | 0     | 23.96      | 395.3 | .00        | .00        | 1498. |
| 10    | 13.35 | 31.92 | 10    | 23.96      | 395.6 | .40        | .02        | 1498. |
| 20    | 13.24 | 31.93 | 20    | 24.00      | 392.7 | .79        | .08        | 1498. |
| 30    | 12.81 | 31.98 | 30    | 24.12      | 381.6 | 1.18       | .18        | 1497. |
| 50    | 10.80 | 32.17 | 50    | 24.63      | 332.4 | 1.89       | .47        | 1490. |
| 75    | 8.32  | 32.48 | 75    | 25.27      | 271.8 | 2.62       | .93        | 1482. |
| 100   | 7.92  | 32.59 | 99    | 25.42      | 258.1 | 3.27       | 1.51       | 1481. |
| 125   | 7.45  | 32.98 | 124   | 25.79      | 223.0 | 3.87       | 2.19       | 1480. |
| 150   | 6.85  | 33.45 | 149   | 26.24      | 181.1 | 4.37       | 2.89       | 1479. |
| 175   | 6.58  | 33.57 | 174   | 26.37      | 168.8 | 4.81       | 3.62       | 1478. |

172



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 86

DATE 16/ 9/83

POSITION 54-27.5N, 133-30.0W

1.8

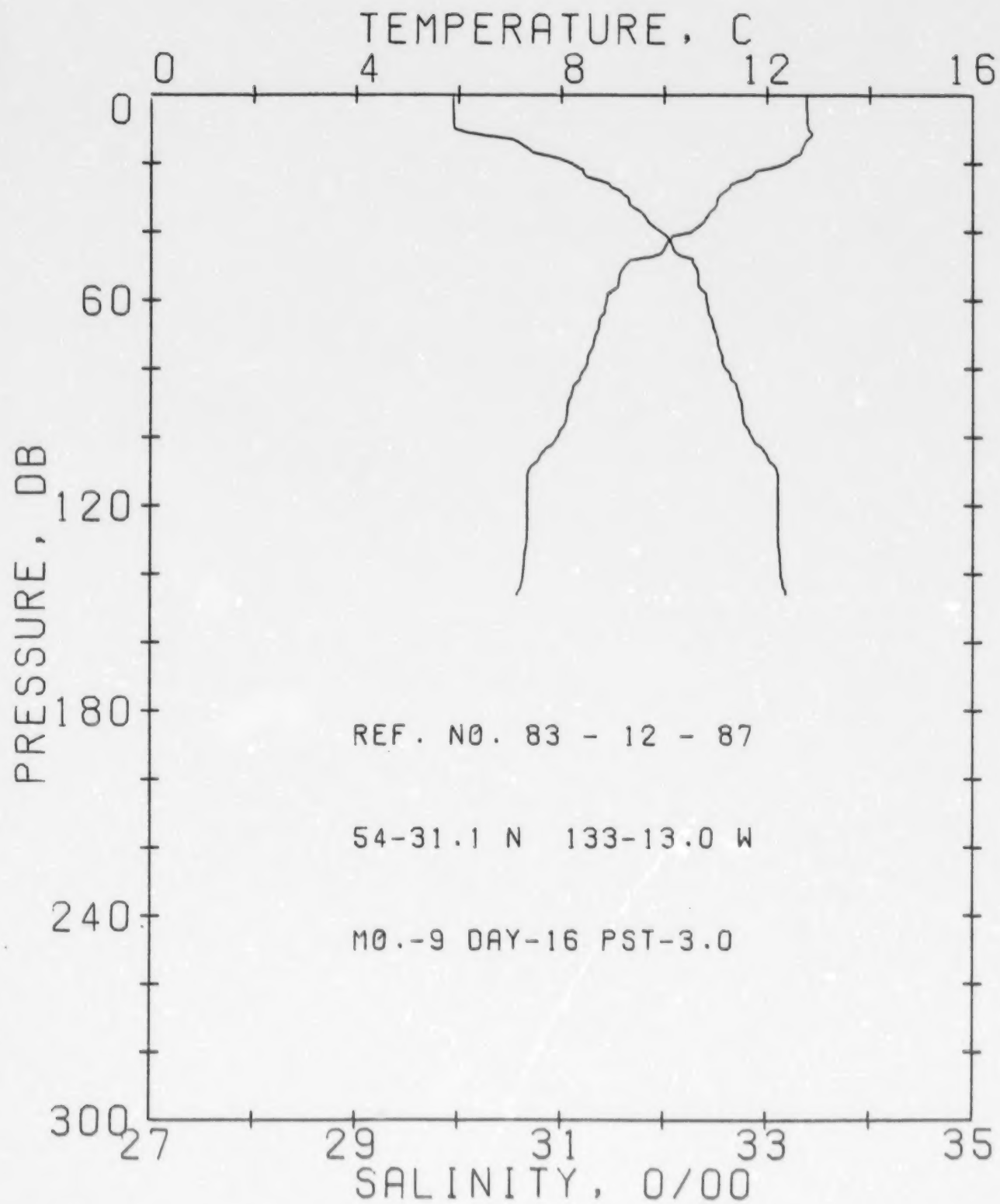
STATION Q35

RESULTS OF STP CAST 262 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.38 | 31.90 | 0     | 23.94      | 397.5 | .00        | .00        | 1498. |
| 10    | 13.38 | 31.90 | 10    | 23.94      | 397.6 | .40        | .02        | 1498. |
| 20    | 12.37 | 32.00 | 20    | 24.21      | 371.9 | .78        | .08        | 1495. |
| 30    | 11.15 | 32.11 | 30    | 24.53      | 342.2 | 1.14       | .17        | 1491. |
| 50    | 8.83  | 32.37 | 50    | 25.11      | 286.8 | 1.76       | .42        | 1483. |
| 75    | 8.34  | 32.45 | 75    | 25.25      | 274.2 | 2.47       | .87        | 1482. |
| 100   | 7.59  | 32.80 | 99    | 25.63      | 238.3 | 3.12       | 1.45       | 1480. |
| 125   | 7.33  | 33.10 | 124   | 25.90      | 212.9 | 3.68       | 2.10       | 1480. |
| 150   | 6.84  | 33.46 | 149   | 26.25      | 179.5 | 4.17       | 2.78       | 1479. |
| 175   | 6.54  | 33.61 | 174   | 26.41      | 165.3 | 4.60       | 3.49       | 1478. |
| 200   | 6.19  | 33.78 | 199   | 26.58      | 148.7 | 4.99       | 4.22       | 1477. |
| 225   | 5.90  | 33.81 | 223   | 26.65      | 142.5 | 5.35       | 5.01       | 1477. |
| 250   | 5.85  | 33.83 | 248   | 26.67      | 140.8 | 5.70       | 5.86       | 1477. |

174



175

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 87

DATE 16/ 9/83

POSITION 54-31.1N, 133-13.0W

3.0

STATION Q36

RESULTS OF STP CAST 147 POINTS TAKEN FROM DIGITAL SYSTEM

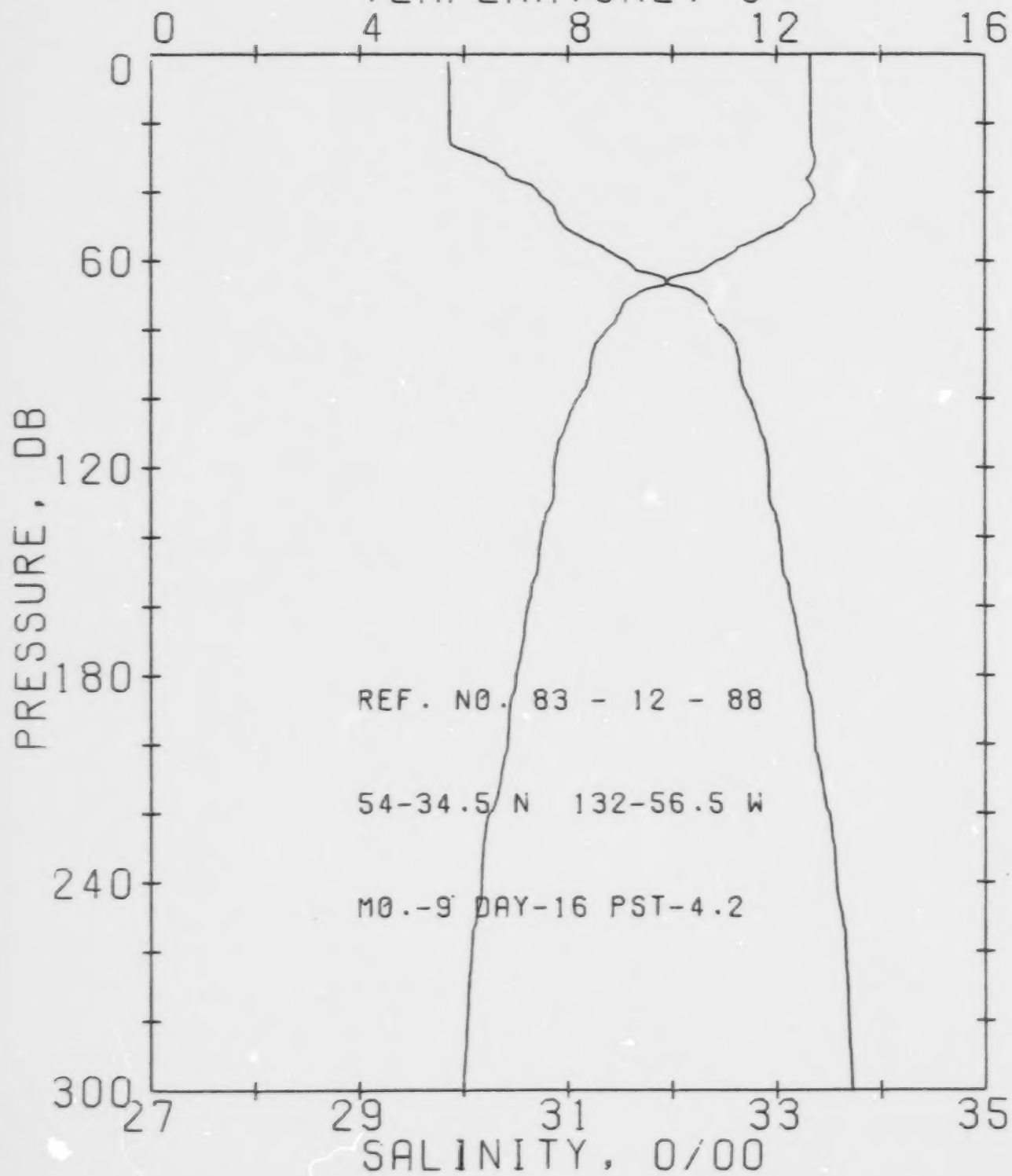
GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.77 | 29.95 | 0     | 22.56      | 529.7 | .00        | .00        | 1494. |
| 10    | 12.80 | 29.96 | 10    | 22.56      | 529.3 | .53        | .03        | 1494. |
| 20    | 12.34 | 31.10 | 20    | 23.53      | 437.2 | 1.01       | .10        | 1494. |
| 30    | 11.04 | 31.65 | 30    | 24.19      | 374.3 | 1.41       | .20        | 1490. |
| 50    | 9.23  | 32.30 | 50    | 24.99      | 298.2 | 2.09       | .48        | 1485. |
| 75    | 8.56  | 32.55 | 75    | 25.29      | 270.1 | 2.80       | .93        | 1483. |
| 100   | 7.92  | 32.85 | 99    | 25.62      | 238.8 | 3.44       | 1.49       | 1481. |
| 125   | 7.33  | 33.11 | 124   | 25.91      | 212.4 | 3.98       | 2.11       | 1480. |



17b

TEMPERATURE, C



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 88

DATE 16/ 9/83

POSITION 54-34.5N, 132-56.5W

4.2

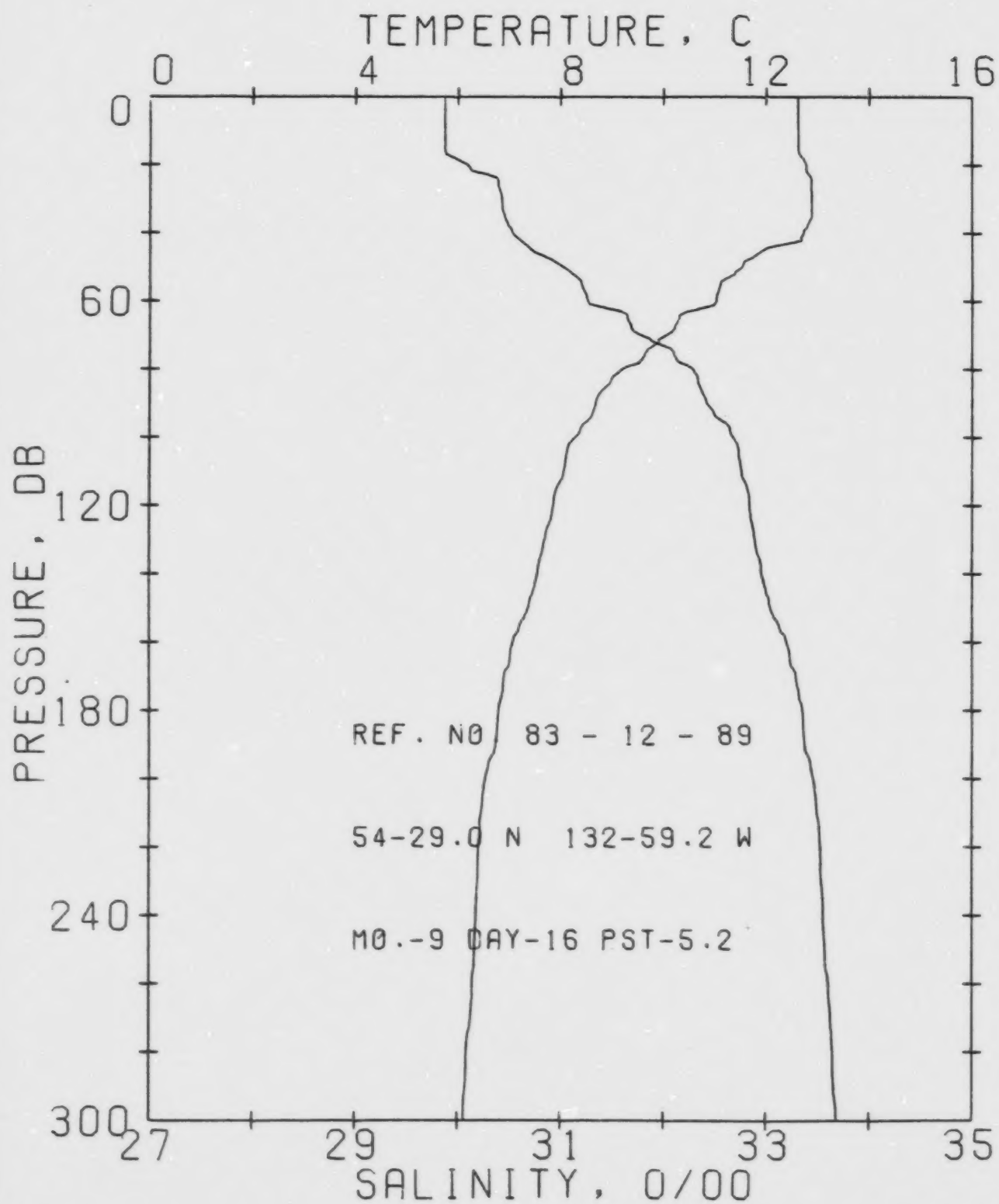
STATION Q37

RESULTS OF STP CAST 364 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.65 | 29.86 | 0     | 22.51      | 534.2 | .00        | .00        | 1493. |
| 10    | 12.66 | 29.86 | 10    | 22.51      | 534.1 | .53        | .03        | 1493. |
| 20    | 12.65 | 29.86 | 20    | 22.52      | 534.1 | 1.07       | .11        | 1494. |
| 30    | 12.74 | 30.21 | 30    | 22.77      | 510.4 | 1.60       | .24        | 1495. |
| 50    | 12.15 | 30.96 | 50    | 23.46      | 444.9 | 2.55       | .63        | 1494. |
| 75    | 9.01  | 32.37 | 75    | 25.08      | 290.1 | 3.45       | 1.19       | 1485. |
| 100   | 8.19  | 32.74 | 100   | 25.50      | 251.0 | 4.11       | 1.79       | 1482. |
| 125   | 7.72  | 32.93 | 124   | 25.71      | 231.0 | 4.71       | 2.46       | 1481. |
| 150   | 7.41  | 33.06 | 149   | 25.86      | 217.4 | 5.27       | 3.25       | 1481. |
| 175   | 7.08  | 33.24 | 174   | 26.05      | 199.5 | 5.78       | 4.10       | 1480. |
| 200   | 6.84  | 33.36 | 199   | 26.17      | 187.8 | 6.26       | 5.02       | 1480. |
| 225   | 6.41  | 33.53 | 224   | 26.36      | 170.5 | 6.71       | 5.99       | 1478. |
| 250   | 6.24  | 33.63 | 248   | 26.46      | 161.1 | 7.13       | 6.99       | 1478. |
| 300   | 5.99  | 33.72 | 298   | 26.57      | 151.4 | 7.90       | 9.17       | 1478. |

178



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 89

DATE 16/ 9/83

POSITION 54-29.0N, 132-59.2W

5.2

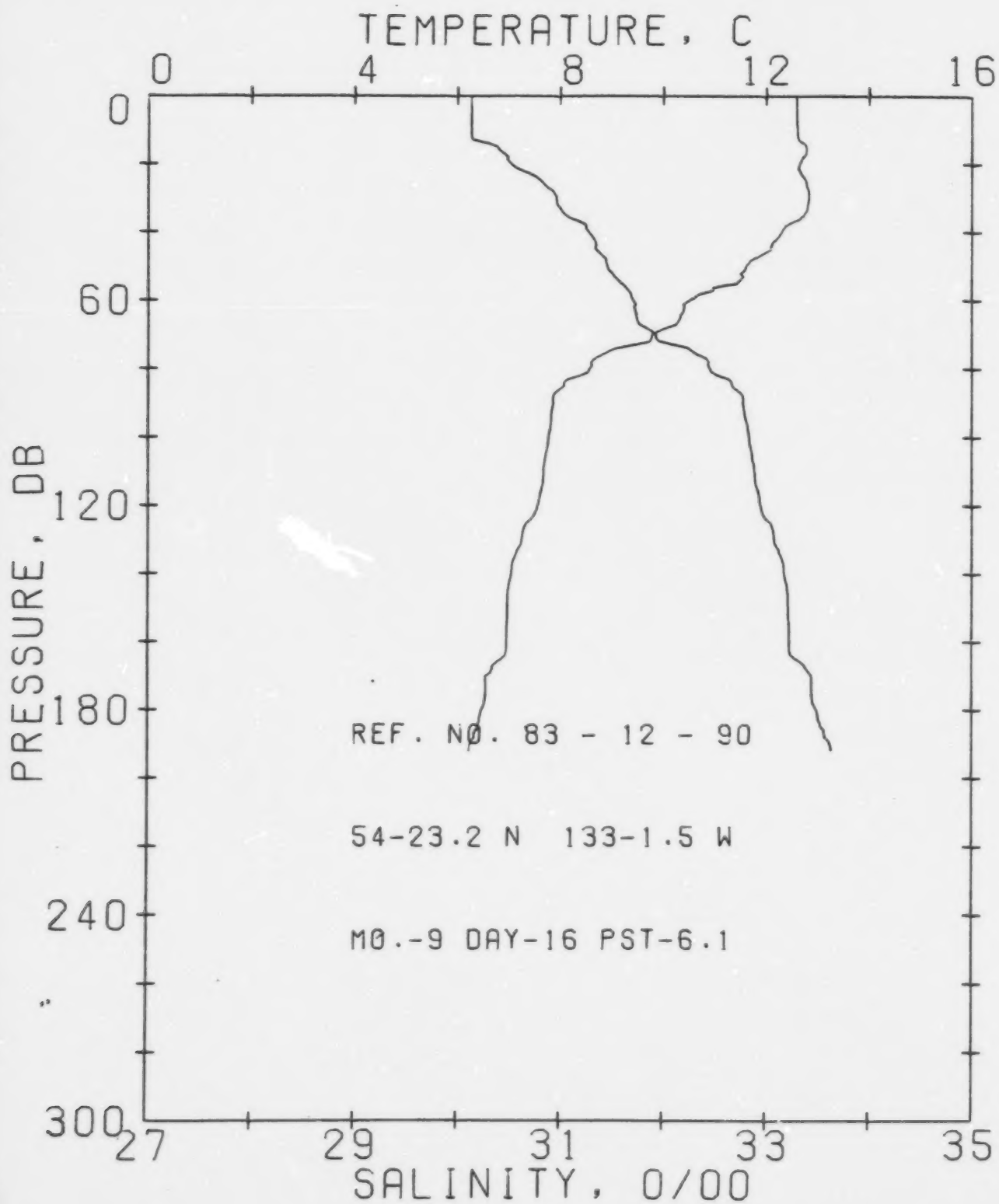
STATION Q38

RESULTS OF STP CAST 335 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.62 | 29.87 | 0     | 22.53      | 532.5 | .00        | .00        | 1493. |
| 10    | 12.63 | 29.87 | 10    | 22.53      | 532.8 | .53        | .03        | 1493. |
| 20    | 12.79 | 30.09 | 20    | 22.67      | 519.5 | 1.06       | .11        | 1494. |
| 30    | 12.88 | 30.43 | 30    | 22.91      | 496.8 | 1.57       | .24        | 1495. |
| 50    | 11.53 | 31.03 | 50    | 23.62      | 429.3 | 2.52       | .62        | 1492. |
| 75    | 9.65  | 32.10 | 75    | 24.77      | 319.7 | 3.47       | 1.22       | 1487. |
| 100   | 8.28  | 32.68 | 100   | 25.43      | 257.1 | 4.18       | 1.85       | 1483. |
| 125   | 7.78  | 32.86 | 124   | 25.65      | 237.0 | 4.80       | 2.56       | 1481. |
| 150   | 7.37  | 33.04 | 149   | 25.85      | 218.5 | 5.37       | 3.35       | 1480. |
| 175   | 6.87  | 33.32 | 174   | 26.13      | 191.2 | 5.87       | 4.19       | 1479. |
| 200   | 6.54  | 33.46 | 199   | 26.29      | 177.0 | 6.33       | 5.07       | 1478. |
| 225   | 6.40  | 33.53 | 224   | 26.36      | 169.9 | 6.76       | 6.01       | 1478. |
| 250   | 6.33  | 33.57 | 248   | 26.41      | 166.4 | 7.19       | 7.02       | 1479. |
| 300   | 6.11  | 33.68 | 298   | 26.52      | 155.9 | 7.99       | 9.27       | 1479. |

180



181

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 90

DATE 16/ 9/83

POSITION 54-23.2N, 133- 1.5W

6.1

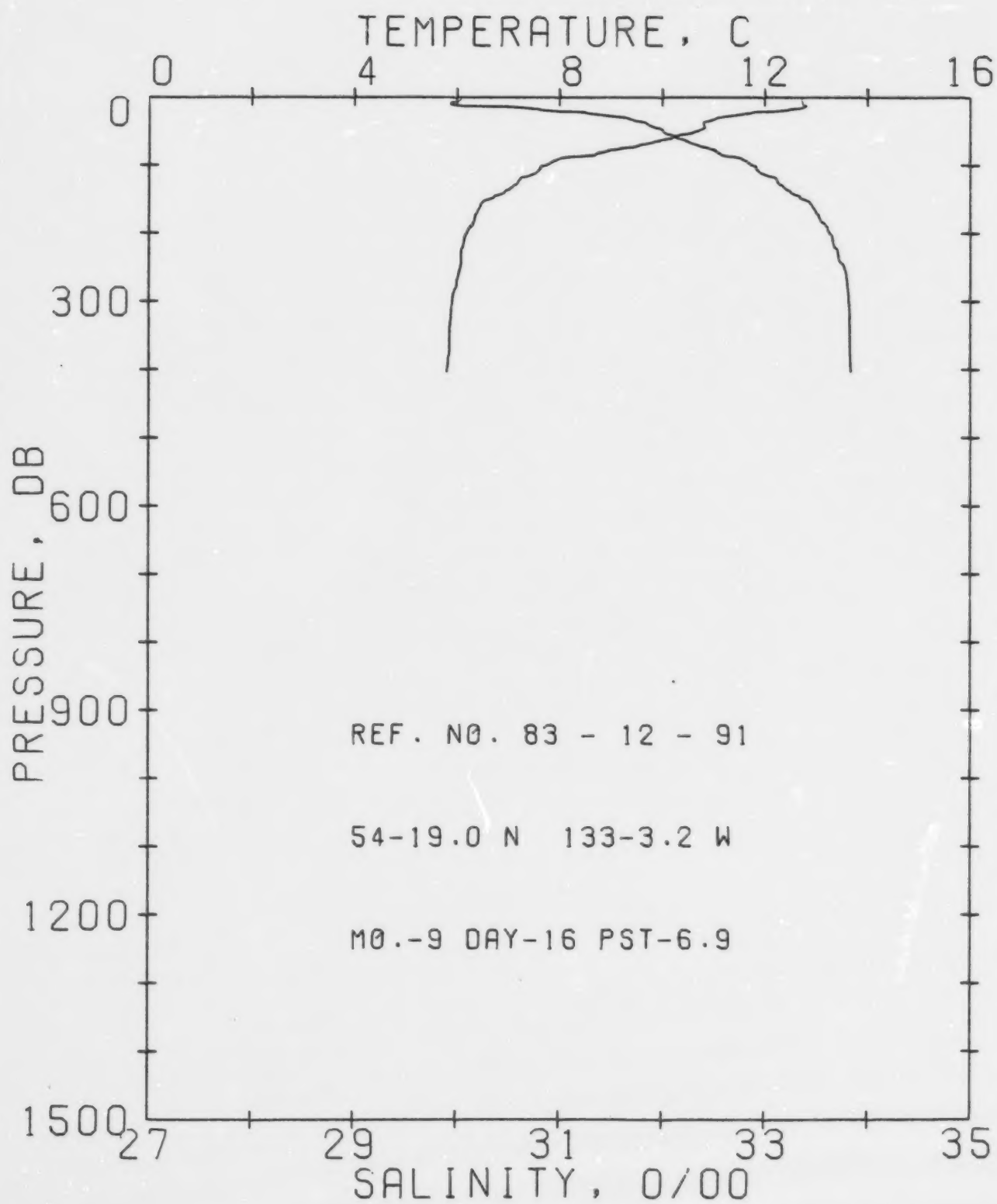
STATION Q39

RESULTS OF STP CAST 193 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.59 | 30.14 | 0     | 22.74      | 512.5 | .00        | .00        | 1493. |
| 10    | 12.60 | 30.14 | 10    | 22.74      | 512.8 | .51        | .03        | 1494. |
| 20    | 12.65 | 30.53 | 20    | 23.03      | 485.0 | 1.01       | .10        | 1494. |
| 30    | 12.84 | 30.97 | 30    | 23.33      | 456.2 | 1.48       | .22        | 1496. |
| 50    | 11.61 | 31.46 | 50    | 23.94      | 398.6 | 2.34       | .57        | 1492. |
| 75    | 8.93  | 32.29 | 75    | 25.03      | 294.9 | 3.23       | 1.13       | 1484. |
| 100   | 7.78  | 32.84 | 99    | 25.63      | 238.0 | 3.87       | 1.70       | 1481. |
| 125   | 7.35  | 33.04 | 124   | 25.85      | 217.4 | 4.45       | 2.36       | 1480. |
| 150   | 6.99  | 33.21 | 149   | 26.04      | 200.0 | 4.96       | 3.08       | 1479. |
| 175   | 6.56  | 33.44 | 174   | 26.27      | 177.9 | 5.44       | 3.88       | 1478. |

182



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 91

DATE 16/ 9/83

POSITION 54-19.0N, 133- 3.2W

6.9

STATION Q28

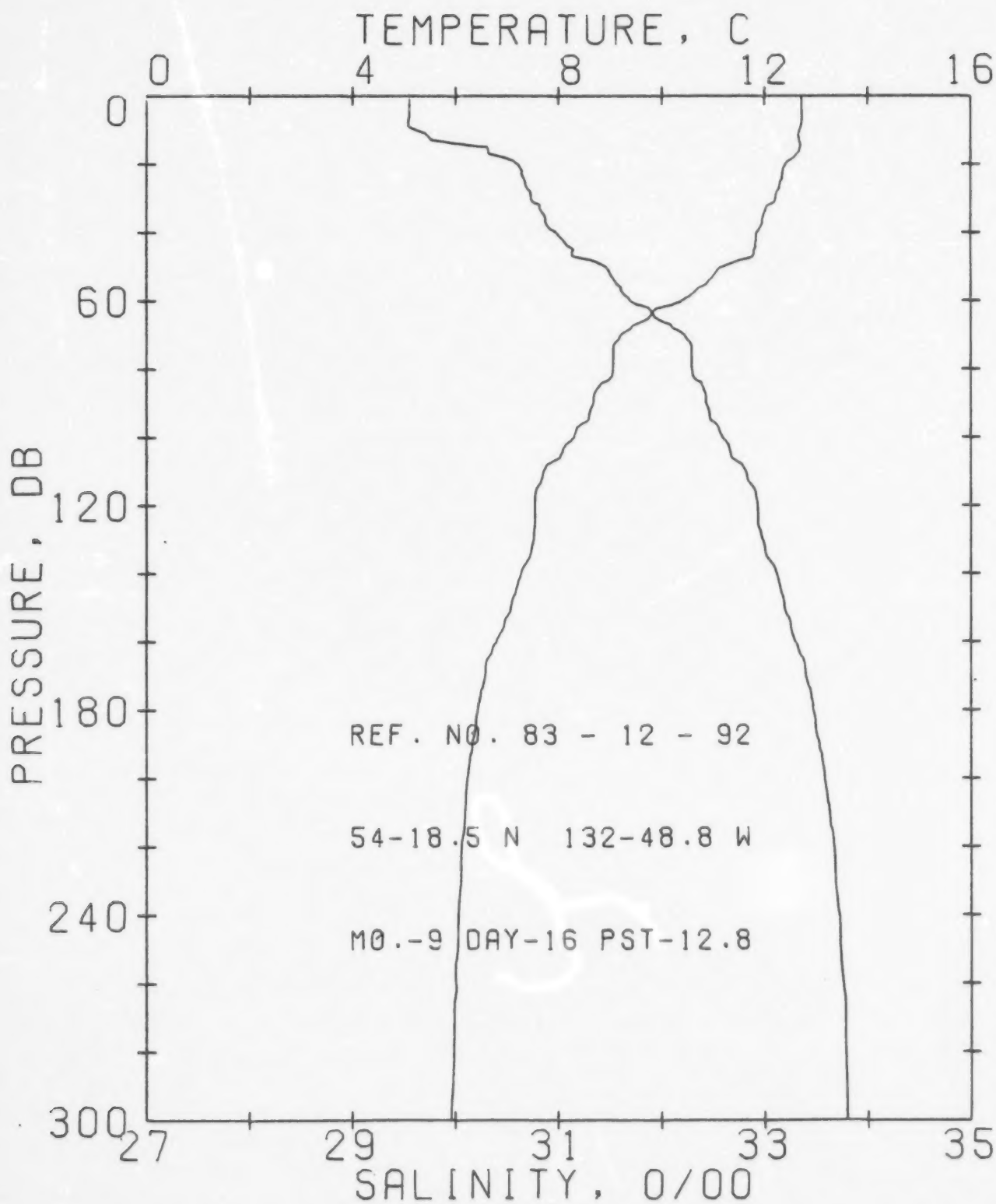
RESULTS OF STP CAST 405 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.72 | 30.04 | 0     | 22.64      | 521.8 | .00        | .00        | 1494. |
| 10    | 12.74 | 29.93 | 10    | 22.55      | 530.5 | .52        | .03        | 1494. |
| 20    | 12.32 | 30.89 | 20    | 23.37      | 452.2 | 1.02       | .10        | 1494. |
| 30    | 11.07 | 31.65 | 30    | 24.18      | 375.1 | 1.42       | .20        | 1490. |
| 50    | 10.67 | 32.01 | 50    | 24.53      | 342.1 | 2.14       | .49        | 1490. |
| 75    | 9.18  | 32.46 | 75    | 25.13      | 286.1 | 2.93       | 1.00       | 1485. |
| 100   | 7.73  | 32.87 | 99    | 25.67      | 234.6 | 3.57       | 1.57       | 1481. |
| 125   | 7.18  | 33.13 | 124   | 25.94      | 208.7 | 4.13       | 2.20       | 1479. |
| 150   | 6.67  | 33.36 | 149   | 26.19      | 185.4 | 4.62       | 2.89       | 1478. |
| 175   | 6.35  | 33.53 | 174   | 26.37      | 168.6 | 5.06       | 3.61       | 1477. |
| 200   | 6.19  | 33.63 | 199   | 26.47      | 159.5 | 5.47       | 4.40       | 1477. |
| 225   | 6.07  | 33.71 | 223   | 26.55      | 152.5 | 5.86       | 5.24       | 1477. |
| 250   | 6.06  | 33.78 | 248   | 26.60      | 147.5 | 6.24       | 6.15       | 1478. |
| 300   | 5.90  | 33.82 | 298   | 26.66      | 143.0 | 6.96       | 8.18       | 1478. |
| 400   | 5.80  | 33.84 | 397   | 26.68      | 141.6 | 8.38       | 13.26      | 1479. |



184



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 92

DATE 16/ 9/83

POSITION 54-18.5N, 132-48.8W

12.8

STATION Q27

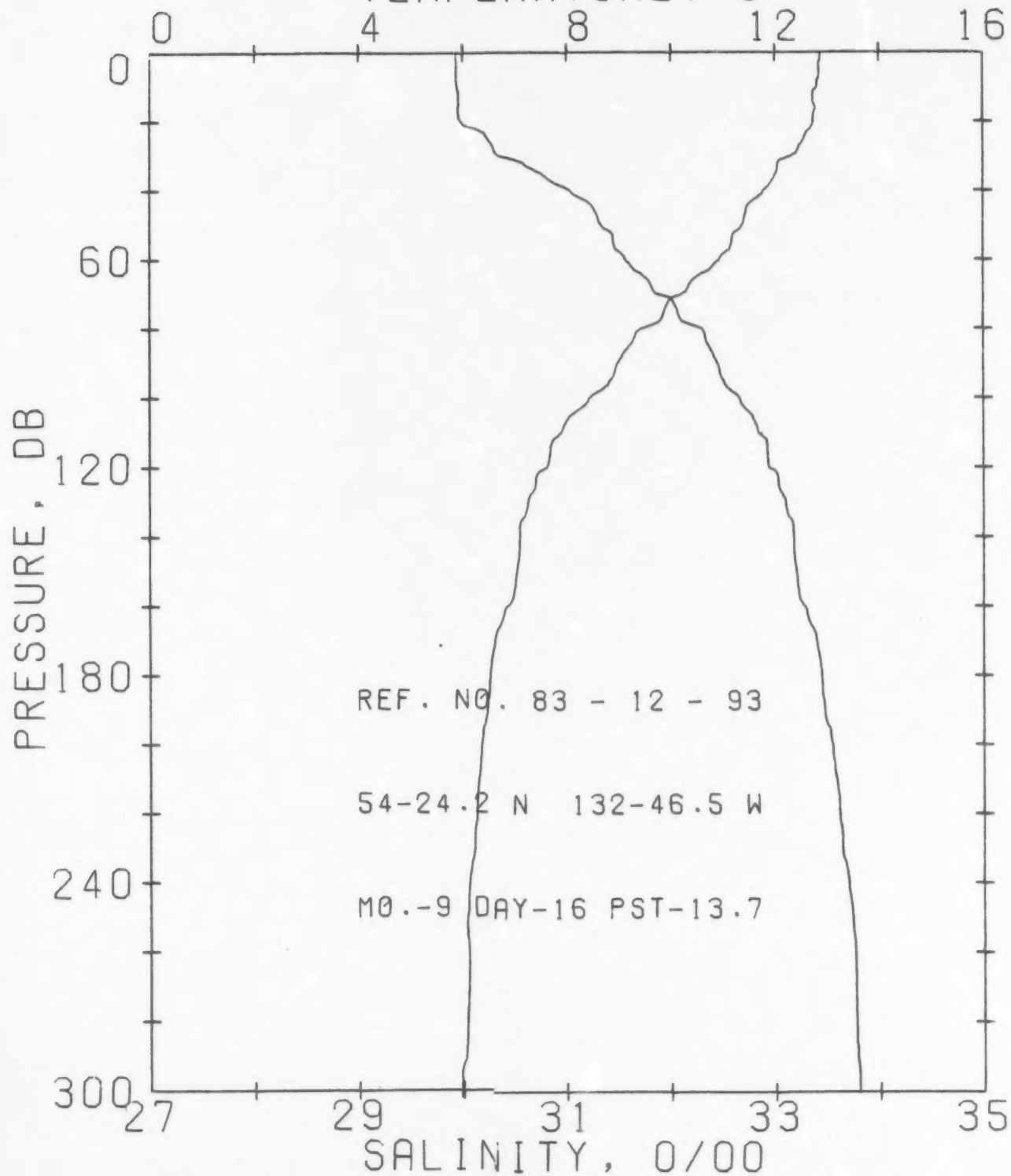
RESULTS OF STP CAST 356 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.73 | 29.56 | 0     | 22.26      | 557.8 | .00        | .00        | 1493. |
| 10    | 12.68 | 29.62 | 10    | 22.32      | 552.8 | .56        | .03        | 1493. |
| 20    | 12.41 | 30.61 | 20    | 23.13      | 475.0 | 1.07       | .11        | 1494. |
| 30    | 12.23 | 30.74 | 30    | 23.27      | 462.5 | 1.54       | .23        | 1493. |
| 50    | 11.16 | 31.46 | 50    | 24.02      | 391.3 | 2.41       | .58        | 1491. |
| 75    | 9.07  | 32.29 | 75    | 25.01      | 296.8 | 3.27       | 1.12       | 1485. |
| 100   | 8.31  | 32.59 | 99    | 25.36      | 263.8 | 3.98       | 1.75       | 1483. |
| 125   | 7.55  | 32.93 | 124   | 25.74      | 228.2 | 4.58       | 2.43       | 1481. |
| 150   | 7.10  | 33.19 | 149   | 26.01      | 203.1 | 5.12       | 3.19       | 1479. |
| 175   | 6.51  | 33.45 | 174   | 26.29      | 176.8 | 5.59       | 3.97       | 1478. |
| 200   | 6.25  | 33.58 | 199   | 26.42      | 164.0 | 6.01       | 4.78       | 1477. |
| 225   | 6.11  | 33.68 | 224   | 26.52      | 155.5 | 6.41       | 5.64       | 1477. |
| 250   | 6.05  | 33.73 | 248   | 26.57      | 150.9 | 6.79       | 6.57       | 1478. |
| 300   | 5.92  | 33.80 | 298   | 26.63      | 145.0 | 7.53       | 8.62       | 1478. |

186

TEMPERATURE, C



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 93

DATE 16/ 9/83

POSITION 54-24.2N, 132-46.5W

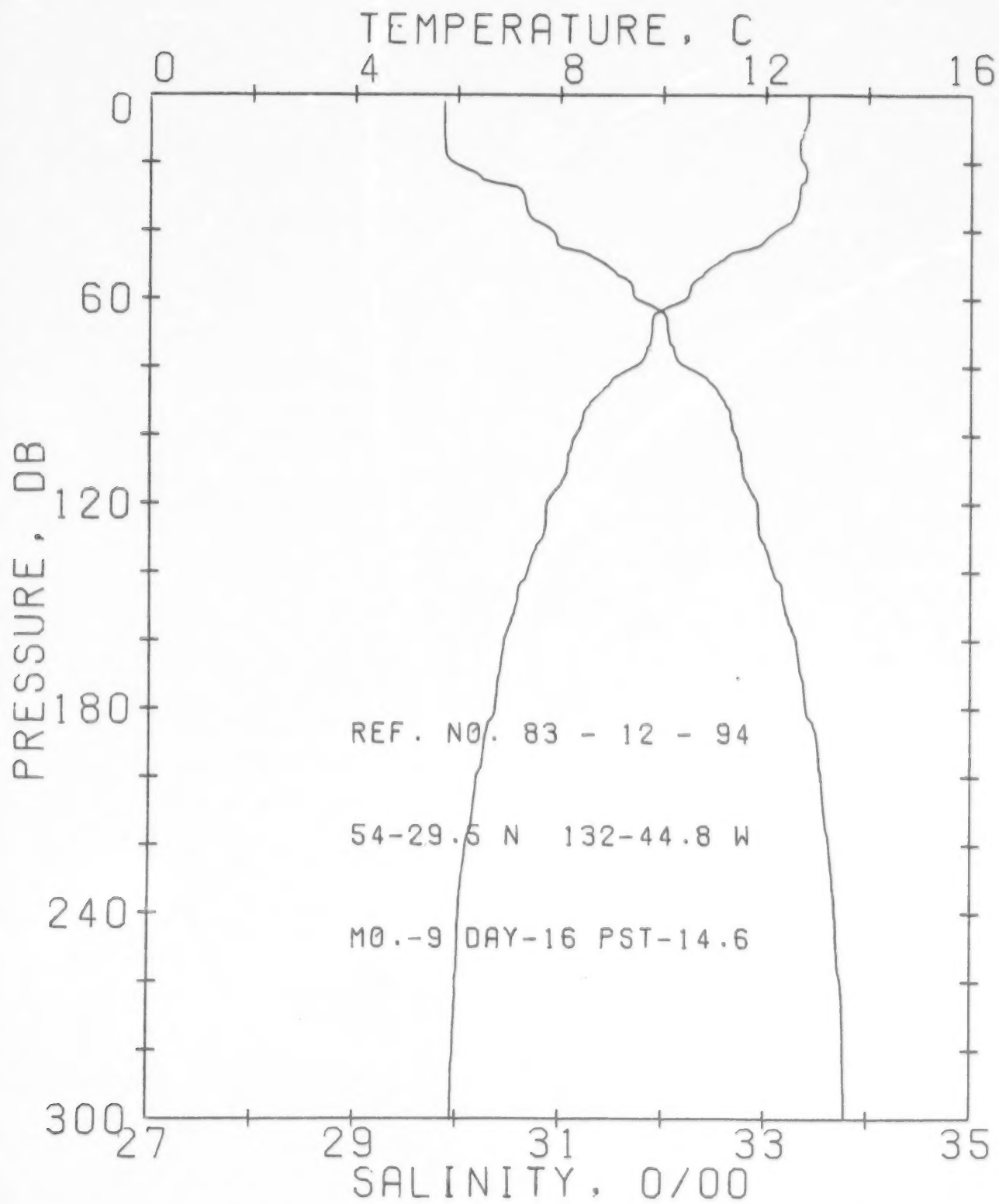
13.7

STATION Q49

RESULTS OF STP CAST 382 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.88 | 29.94 | 0     | 22.53      | 532.0 | .00        | .00        | 1494. |
| 10    | 12.82 | 29.95 | 10    | 22.55      | 530.5 | .53        | .03        | 1494. |
| 20    | 12.76 | 29.99 | 20    | 22.60      | 526.5 | 1.06       | .11        | 1494. |
| 30    | 12.32 | 30.35 | 30    | 22.96      | 492.2 | 1.57       | .24        | 1493. |
| 50    | 11.37 | 31.33 | 50    | 23.89      | 403.9 | 2.44       | .59        | 1491. |
| 75    | 9.87  | 32.07 | 75    | 24.71      | 325.7 | 3.36       | 1.17       | 1487. |
| 100   | 8.44  | 32.66 | 99    | 25.40      | 260.4 | 4.08       | 1.82       | 1483. |
| 125   | 7.40  | 33.03 | 124   | 25.84      | 218.7 | 4.68       | 2.49       | 1480. |
| 150   | 7.04  | 33.20 | 149   | 26.02      | 201.4 | 5.19       | 3.21       | 1479. |
| 175   | 6.55  | 33.43 | 174   | 26.26      | 178.8 | 5.67       | 4.00       | 1478. |
| 200   | 6.35  | 33.55 | 199   | 26.38      | 167.7 | 6.11       | 4.83       | 1478. |
| 225   | 6.23  | 33.64 | 224   | 26.47      | 159.7 | 6.51       | 5.72       | 1478. |
| 250   | 6.08  | 33.74 | 248   | 26.57      | 150.8 | 6.90       | 6.66       | 1478. |
| 300   | 5.96  | 33.80 | 298   | 26.63      | 145.2 | 7.65       | 8.74       | 1478. |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 94

DATE 16/ 9/83

POSITION 54-29.5N, 132-44.2W

14.6

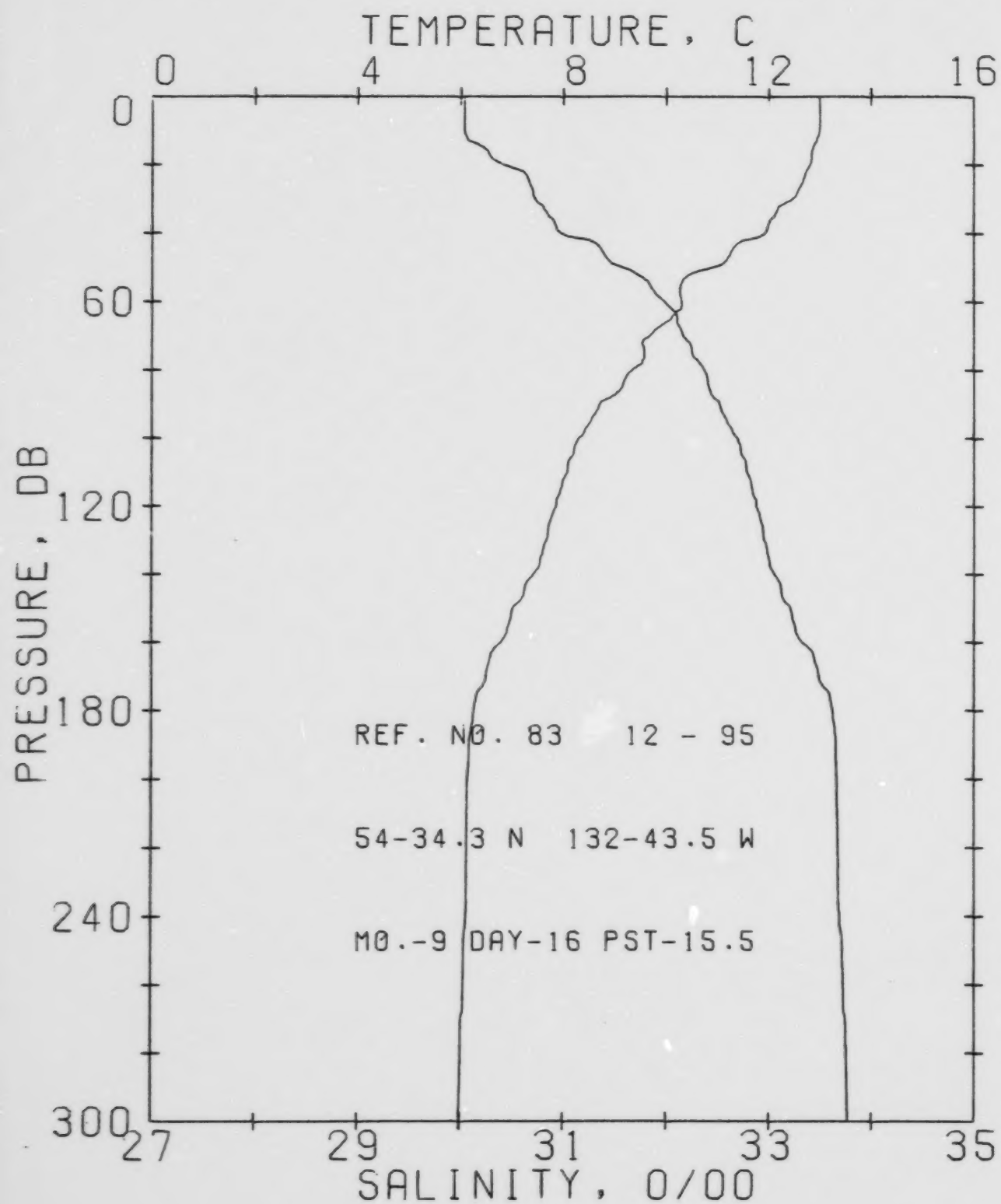
STATION Q50

RESULTS OF STP CAST 373 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.83 | 29.87 | 0     | 22.48      | 536.7 | .00        | .00        | 1494. |
| 10    | 12.75 | 29.87 | 10    | 22.50      | 535.3 | .54        | .03        | 1494. |
| 20    | 12.75 | 29.96 | 20    | 22.57      | 528.6 | 1.07       | .11        | 1494. |
| 30    | 12.66 | 30.66 | 30    | 23.12      | 476.1 | 1.57       | .24        | 1495. |
| 50    | 10.99 | 31.45 | 50    | 24.04      | 388.6 | 2.46       | .60        | 1490. |
| 75    | 9.68  | 32.11 | 75    | 24.77      | 319.6 | 3.33       | 1.14       | 1487. |
| 100   | 8.31  | 32.71 | 99    | 25.45      | 255.1 | 4.03       | 1.76       | 1483. |
| 125   | 7.74  | 32.93 | 124   | 25.71      | 231.0 | 4.63       | 2.46       | 1481. |
| 150   | 7.15  | 33.19 | 149   | 26.00      | 203.9 | 5.18       | 3.22       | 1480. |
| 175   | 6.79  | 33.38 | 174   | 26.20      | 185.3 | 5.66       | 4.01       | 1479. |
| 200   | 6.40  | 33.55 | 199   | 26.38      | 167.8 | 6.10       | 4.85       | 1478. |
| 225   | 6.14  | 33.65 | 224   | 26.49      | 158.1 | 6.51       | 5.74       | 1478. |
| 250   | 6.03  | 33.70 | 248   | 26.55      | 152.6 | 6.89       | 6.67       | 1478. |
| 300   | 5.90  | 33.78 | 298   | 26.63      | 145.7 | 7.63       | 8.74       | 1478. |

190



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 95

DATE 16/ 9/83

POSITION 54-34.3N, 132-43.5W

15.5

STATION Q51

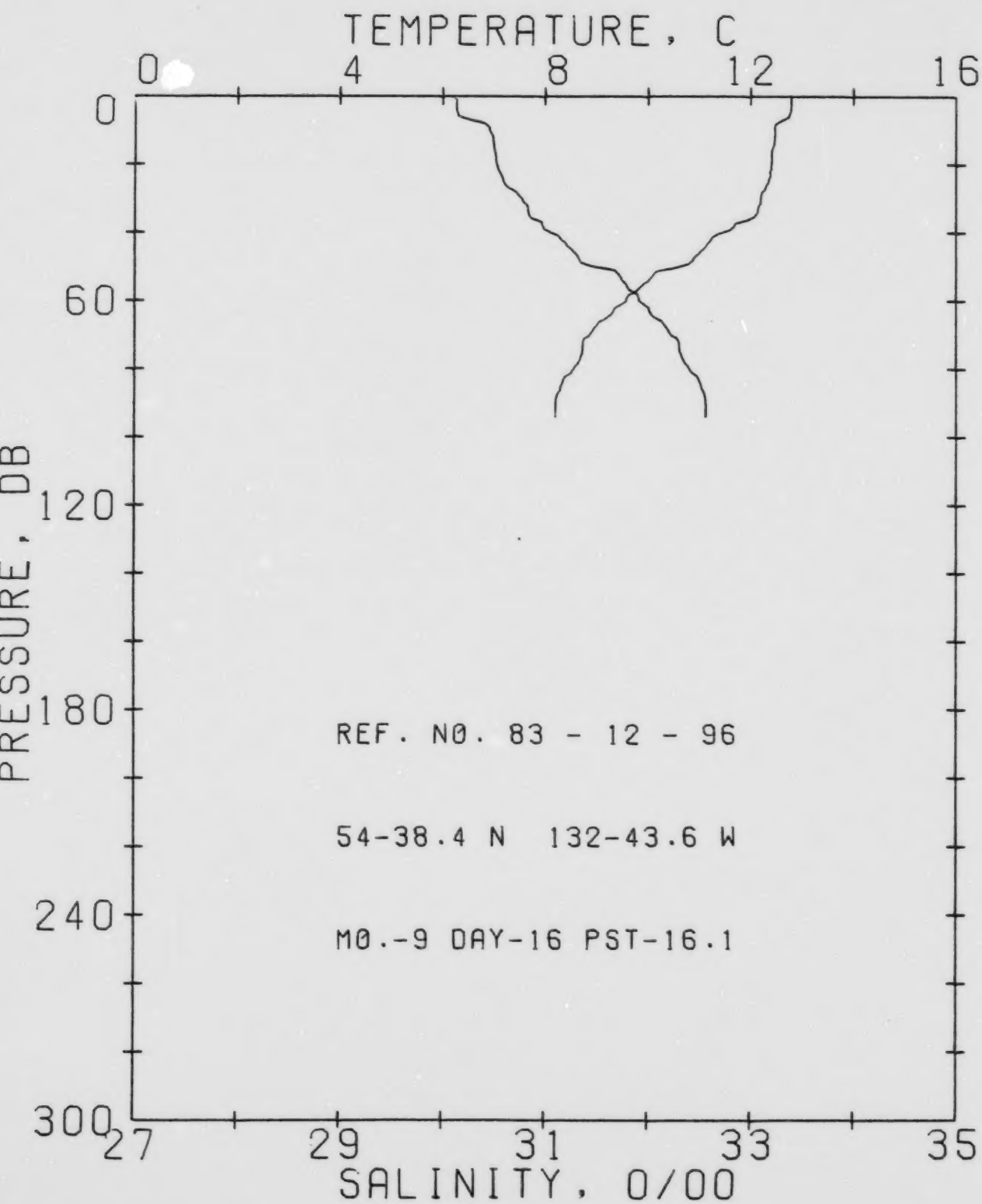
RESULTS OF STP CAST 314 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.00 | 30.04 | 0     | 22.58      | 527.2 | .00        | .00        | 1495. |
| 10    | 13.00 | 30.04 | 10    | 22.59      | 527.3 | .53        | .03        | 1495. |
| 20    | 12.81 | 30.42 | 20    | 22.92      | 495.9 | 1.04       | .11        | 1495. |
| 30    | 12.46 | 30.72 | 30    | 23.22      | 467.5 | 1.52       | .23        | 1494. |
| 50    | 10.87 | 31.58 | 50    | 24.16      | 377.6 | 2.37       | .57        | 1490. |
| 75    | 9.57  | 32.26 | 75    | 24.90      | 307.0 | 3.20       | 1.10       | 1487. |
| 100   | 8.30  | 32.70 | 99    | 25.45      | 255.7 | 3.91       | 1.72       | 1483. |
| 125   | 7.74  | 32.93 | 124   | 25.71      | 230.9 | 4.51       | 2.42       | 1481. |
| 150   | 7.03  | 33.21 | 149   | 26.03      | 200.6 | 5.06       | 3.18       | 1479. |
| 175   | 6.32  | 33.60 | 174   | 26.43      | 163.3 | 5.52       | 3.94       | 1477. |
| 200   | 6.15  | 33.66 | 199   | 26.50      | 156.5 | 5.92       | 4.70       | 1477. |
| 225   | 6.12  | 33.68 | 224   | 26.51      | 155.6 | 6.31       | 5.55       | 1477. |
| 250   | 6.07  | 33.72 | 248   | 26.56      | 151.9 | 6.70       | 6.48       | 1478. |
| 300   | 5.98  | 33.77 | 298   | 26.60      | 148.0 | 7.44       | 8.58       | 1478. |



192



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 96

DATE 16/ 9/83

POSITION 54-38.4N, 132-43.6W

16.1

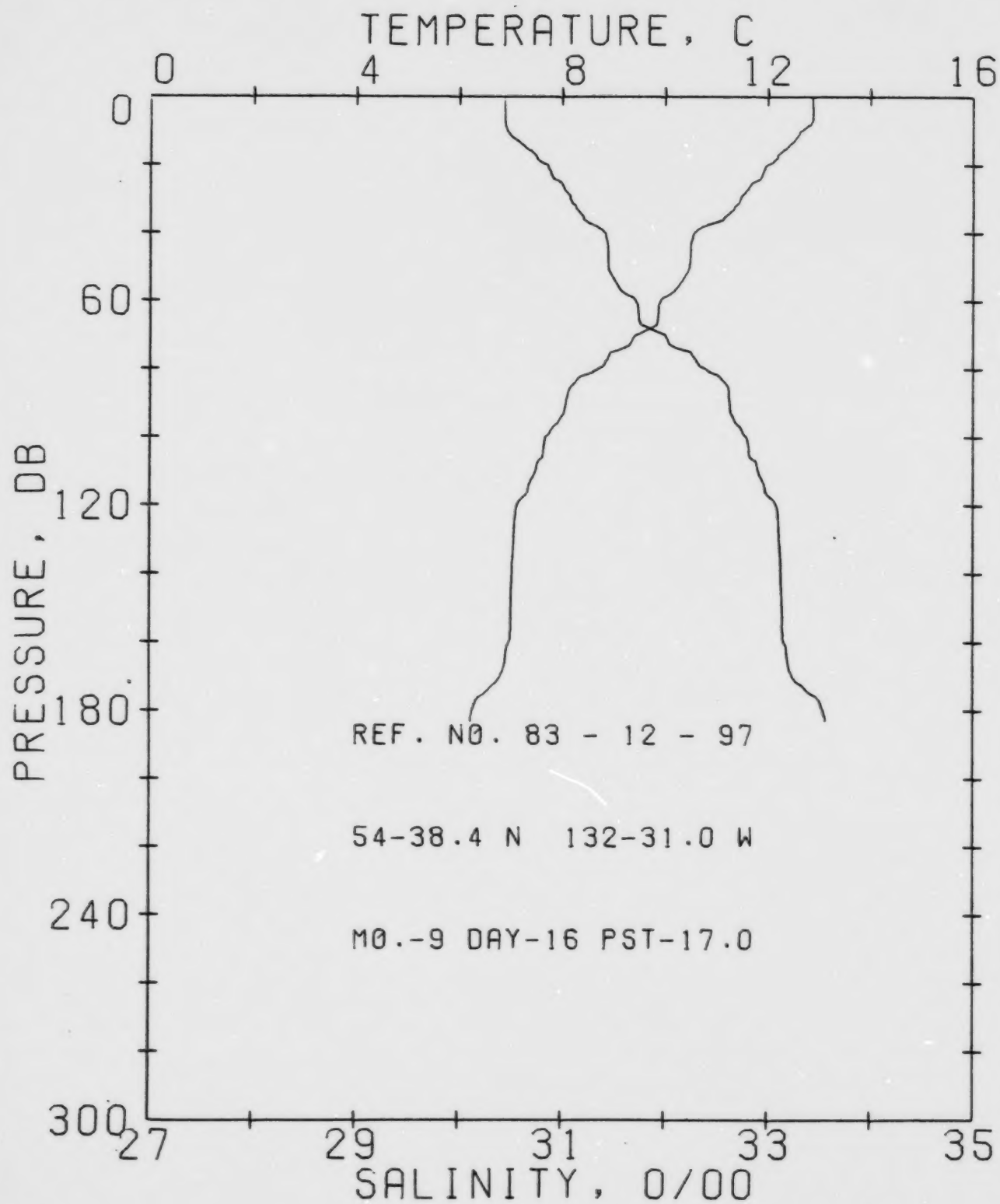
STATION Q52

RESULTS OF STP CAST 95 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.80 | 30.09 | 0     | 22.67      | 519.4 | .00        | .00        | 1494. |
| 10    | 12.48 | 30.46 | 10    | 23.01      | 487.0 | .51        | .03        | 1494. |
| 20    | 12.41 | 30.53 | 20    | 23.07      | 480.8 | .99        | .10        | 1494. |
| 30    | 12.20 | 30.77 | 30    | 23.30      | 459.3 | 1.46       | .22        | 1493. |
| 50    | 10.57 | 31.47 | 50    | 24.13      | 380.5 | 2.31       | .56        | 1489. |
| 75    | 8.73  | 32.31 | 75    | 25.08      | 290.3 | 3.12       | 1.07       | 1483. |

194



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 97

DATE 16/ 9/83

POSITION 54-38.4N, 132-31.0W

17.0

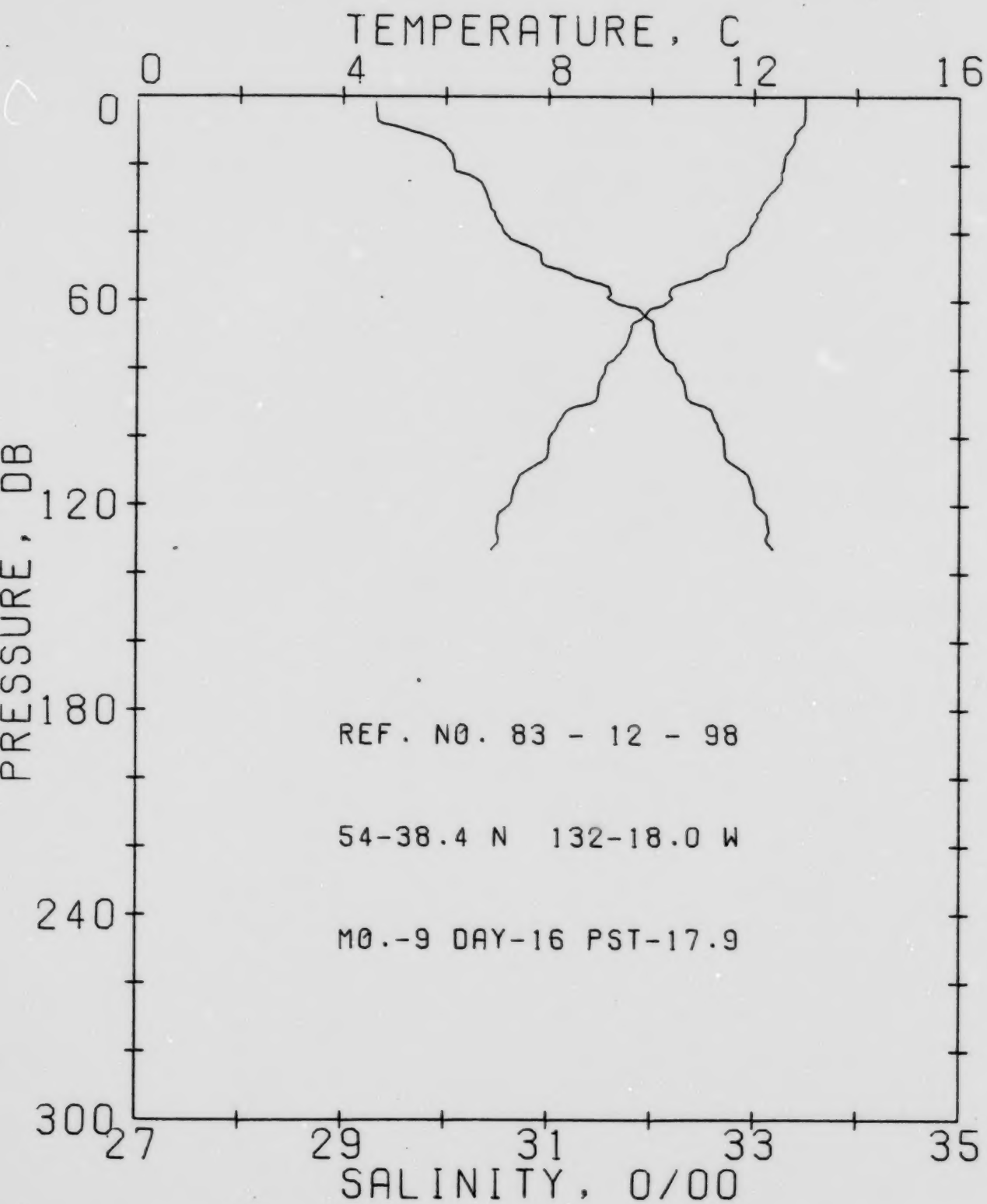
STATION Q53

RESULTS OF STP CAST 184 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.87 | 30.44 | 0     | 22.92      | 495.2 | .00        | .00        | 1495. |
| 10    | 12.65 | 30.47 | 10    | 22.98      | 489.1 | .49        | .03        | 1494. |
| 20    | 11.97 | 30.86 | 20    | 23.41      | 448.5 | .97        | .10        | 1492. |
| 30    | 11.47 | 31.08 | 30    | 23.67      | 423.9 | 1.40       | .21        | 1491. |
| 50    | 10.47 | 31.45 | 50    | 24.13      | 380.7 | 2.19       | .53        | 1488. |
| 75    | 8.94  | 32.25 | 75    | 25.00      | 297.9 | 3.06       | 1.08       | 1484. |
| 100   | 7.69  | 32.79 | 99    | 25.61      | 240.1 | 3.73       | 1.67       | 1480. |
| 125   | 7.09  | 33.10 | 124   | 25.94      | 209.2 | 4.29       | 2.31       | 1479. |
| 150   | 7.02  | 33.14 | 149   | 25.97      | 206.2 | 4.81       | 3.04       | 1479. |
| 175   | 6.52  | 33.41 | 174   | 26.25      | 179.7 | 5.31       | 3.86       | 1478. |

196



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 98

DATE 16/ 9/83

POSITION 54-38.4N, 132-18.0W

17.9

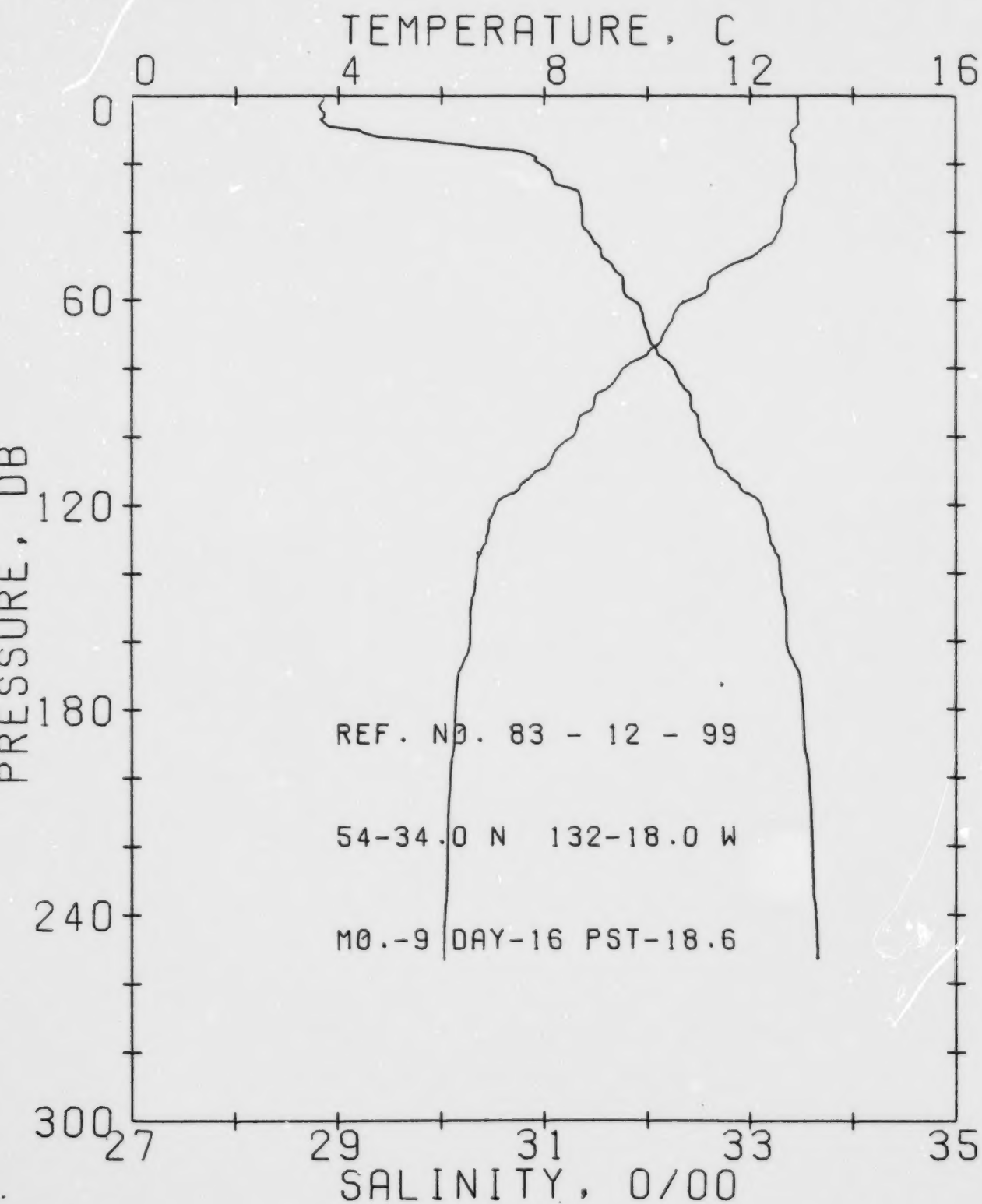
STATION Q54

RESULTS OF STP CAST 134 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.99 | 29.32 | 0     | 22.03      | 579.9 | .00        | .00        | 1494. |
| 10    | 12.84 | 29.64 | 10    | 22.31      | 553.7 | .58        | .03        | 1494. |
| 20    | 12.59 | 30.08 | 20    | 22.70      | 516.7 | 1.10       | .11        | 1494. |
| 30    | 12.24 | 30.42 | 30    | 23.02      | 486.1 | 1.60       | .24        | 1493. |
| 50    | 11.42 | 30.99 | 50    | 23.61      | 429.9 | 2.53       | .61        | 1491. |
| 75    | 9.42  | 32.09 | 75    | 24.80      | 316.9 | 3.41       | 1.17       | 1486. |
| 100   | 8.04  | 32.71 | 100   | 25.49      | 251.2 | 4.12       | 1.80       | 1482. |
| 125   | 7.03  | 33.13 | 124   | 25.97      | 206.4 | 4.69       | 2.45       | 1479. |

198



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12- 99

DATE 16/ 9/83

POSITION 54-34.0N, 132-18.0W

18.6

STATION Q45

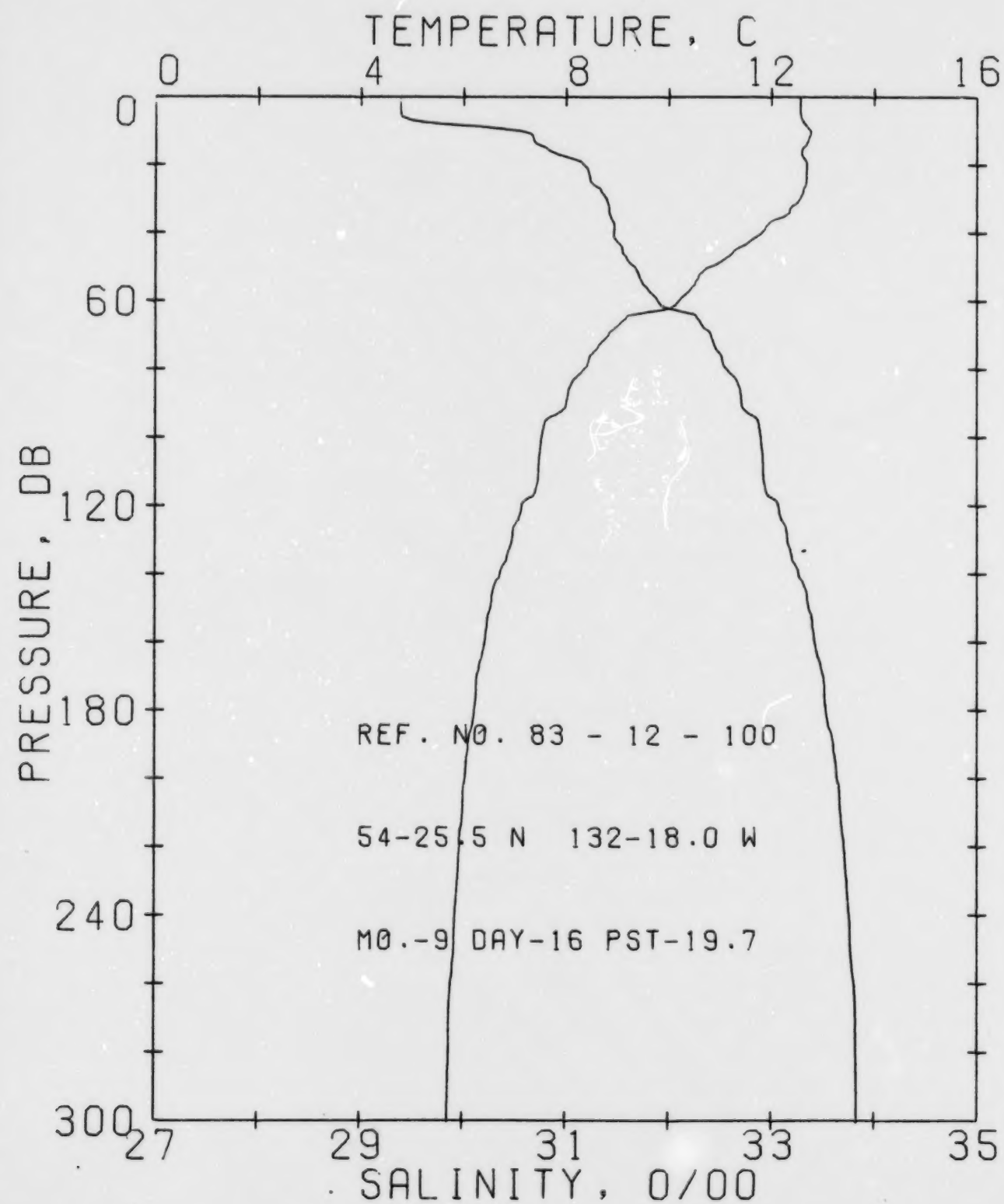
RESULTS OF STP CAST 254 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.93 | 28.86 | 0     | 21.69      | 612.8 | .00        | .00        | 1493. |
| 10    | 12.82 | 29.20 | 10    | 21.98      | 585.5 | .61        | .03        | 1493. |
| 20    | 12.87 | 30.96 | 20    | 23.32      | 457.0 | 1.12       | .11        | 1496. |
| 30    | 12.69 | 31.35 | 30    | 23.66      | 425.1 | 1.56       | .22        | 1496. |
| 50    | 11.58 | 31.67 | 50    | 24.11      | 382.7 | 2.39       | .56        | 1493. |
| 75    | 10.04 | 32.10 | 75    | 24.71      | 325.7 | 3.27       | 1.11       | 1488. |
| 100   | 8.55  | 32.52 | 99    | 25.27      | 272.5 | 4.00       | 1.76       | 1483. |
| 125   | 6.93  | 33.17 | 124   | 26.01      | 202.3 | 4.59       | 2.43       | 1478. |
| 150   | 6.57  | 33.35 | 149   | 26.20      | 184.6 | 5.07       | 3.11       | 1478. |
| 175   | 6.29  | 33.50 | 174   | 26.35      | 170.2 | 5.52       | 3.85       | 1477. |
| 200   | 6.17  | 33.57 | 199   | 26.43      | 163.6 | 5.94       | 4.65       | 1477. |
| 225   | 6.12  | 33.61 | 224   | 26.46      | 160.5 | 6.34       | 5.52       | 1477. |
| 250   | 6.05  | 33.66 | 248   | 26.51      | 156.5 | 6.74       | 6.48       | 1478. |



200



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-100

DATE 16/ 9/83

POSITION 54-25.5N, 132-18.0W

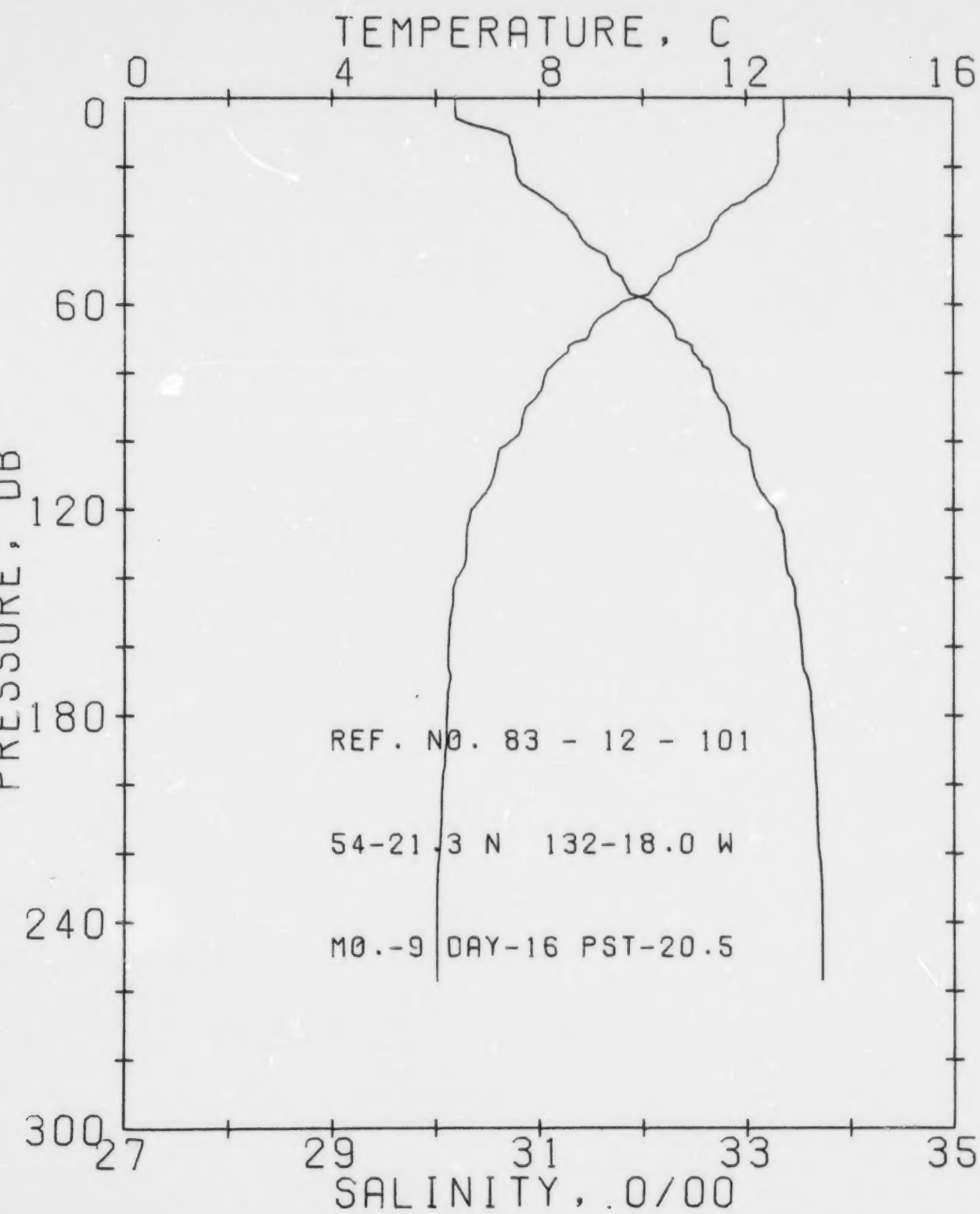
19.7

STATION Q44

RESULTS OF STP CAST 318 POINTS TAKEN FROM DIGITAL SYSTEM

GUIDELINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.56 | 29.38 | 0     | 22.16      | 567.4 | .00        | .00        | 1492. |
| 10    | 12.78 | 30.57 | 10    | 23.03      | 484.4 | .55        | .03        | 1495. |
| 20    | 12.69 | 31.18 | 20    | 23.52      | 438.1 | 1.02       | .10        | 1495. |
| 30    | 12.55 | 31.40 | 30    | 23.72      | 419.6 | 1.45       | .21        | 1495. |
| 50    | 10.76 | 31.67 | 50    | 24.25      | 369.0 | 2.24       | .53        | 1490. |
| 75    | 8.53  | 32.49 | 75    | 25.25      | 274.3 | 3.05       | 1.04       | 1483. |
| 100   | 7.52  | 32.90 | 99    | 25.71      | 230.2 | 3.68       | 1.59       | 1480. |
| 125   | 7.04  | 33.12 | 124   | 25.96      | 207.4 | 4.23       | 2.23       | 1479. |
| 150   | 6.54  | 33.36 | 149   | 26.21      | 183.2 | 4.72       | 2.91       | 1478. |
| 175   | 6.26  | 33.52 | 174   | 26.37      | 168.6 | 5.16       | 3.64       | 1477. |
| 200   | 6.05  | 33.64 | 199   | 26.49      | 157.1 | 5.57       | 4.41       | 1477. |
| 225   | 5.93  | 33.72 | 223   | 26.57      | 149.9 | 5.95       | 5.24       | 1477. |
| 250   | 5.84  | 33.77 | 248   | 26.62      | 145.3 | 6.32       | 6.13       | 1477. |
| 300   | 5.71  | 33.83 | 298   | 26.69      | 140.0 | 7.02       | 8.11       | 1477. |



203

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-101

DATE 16/ 9/83

POSITION 54-21.3N, 132-18.0W

20.5

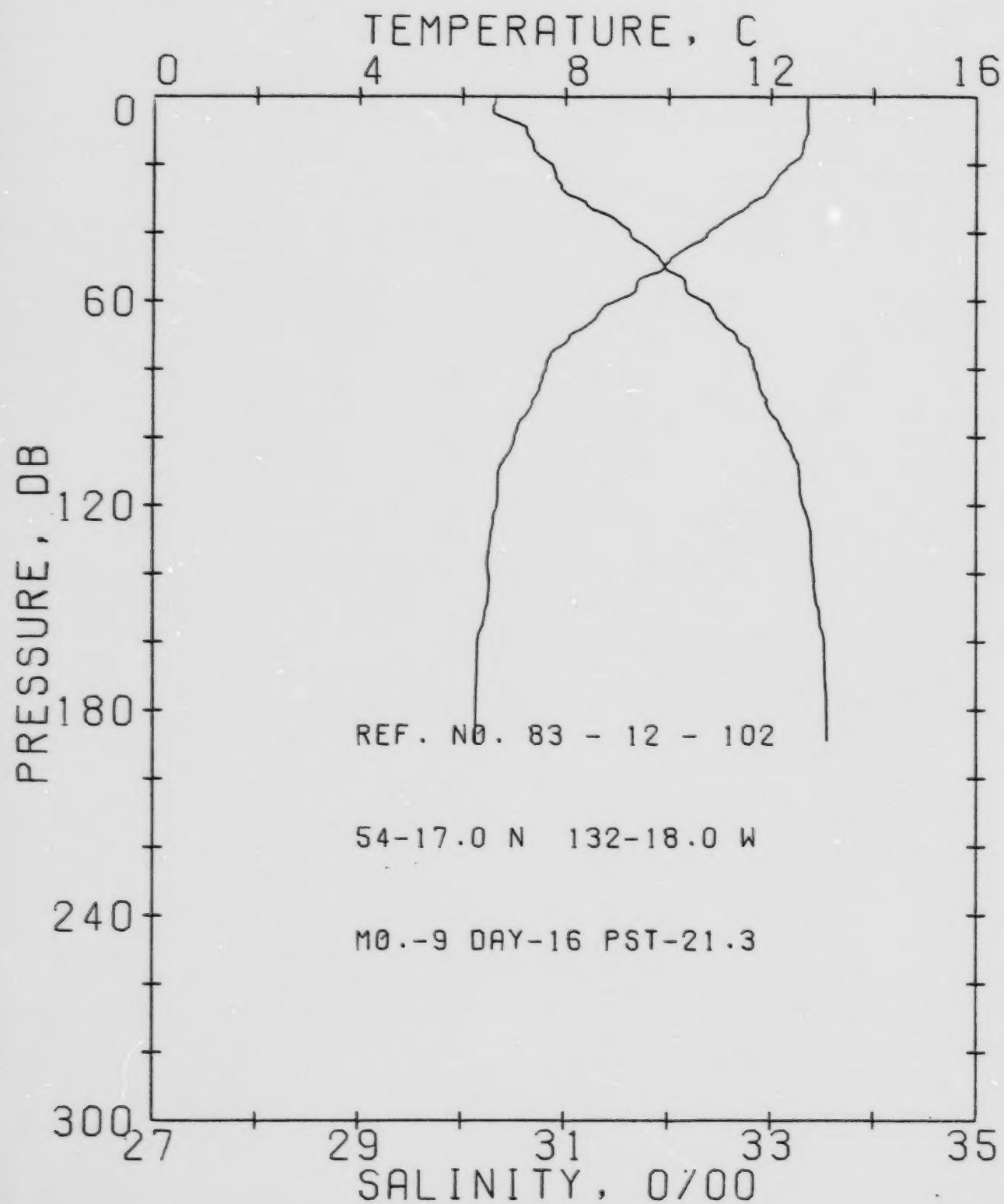
STATION Q43

RESULTS OF STP CAST 258 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.74 | 30.19 | 0     | 22.75      | 510.9 | .00        | .00        | 1494. |
| 10    | 12.66 | 30.64 | 10    | 23.11      | 477.1 | .50        | .03        | 1494. |
| 20    | 12.59 | 30.78 | 20    | 23.23      | 465.4 | .97        | .10        | 1495. |
| 30    | 11.97 | 31.10 | 30    | 23.59      | 431.3 | 1.43       | .21        | 1493. |
| 50    | 10.57 | 31.70 | 50    | 24.31      | 363.1 | 2.21       | .53        | 1489. |
| 75    | 8.45  | 32.52 | 75    | 25.29      | 270.5 | 3.00       | 1.02       | 1483. |
| 100   | 7.45  | 32.94 | 99    | 25.76      | 226.0 | 3.61       | 1.57       | 1480. |
| 125   | 6.61  | 33.34 | 124   | 26.19      | 185.6 | 4.13       | 2.16       | 1477. |
| 150   | 6.30  | 33.49 | 149   | 26.35      | 170.4 | 4.57       | 2.78       | 1477. |
| 175   | 6.22  | 33.62 | 174   | 26.46      | 160.4 | 4.99       | 3.47       | 1477. |
| 200   | 6.12  | 33.67 | 199   | 26.51      | 155.9 | 5.38       | 4.22       | 1477. |
| 225   | 6.03  | 33.71 | 223   | 26.56      | 151.7 | 5.77       | 5.06       | 1477. |
| 250   | 6.01  | 33.73 | 248   | 26.57      | 150.8 | 6.15       | 5.97       | 1478. |

204



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-102

DATE 16/ 9/83

POSITION 54-17.0N, 132-18.0W

21.3

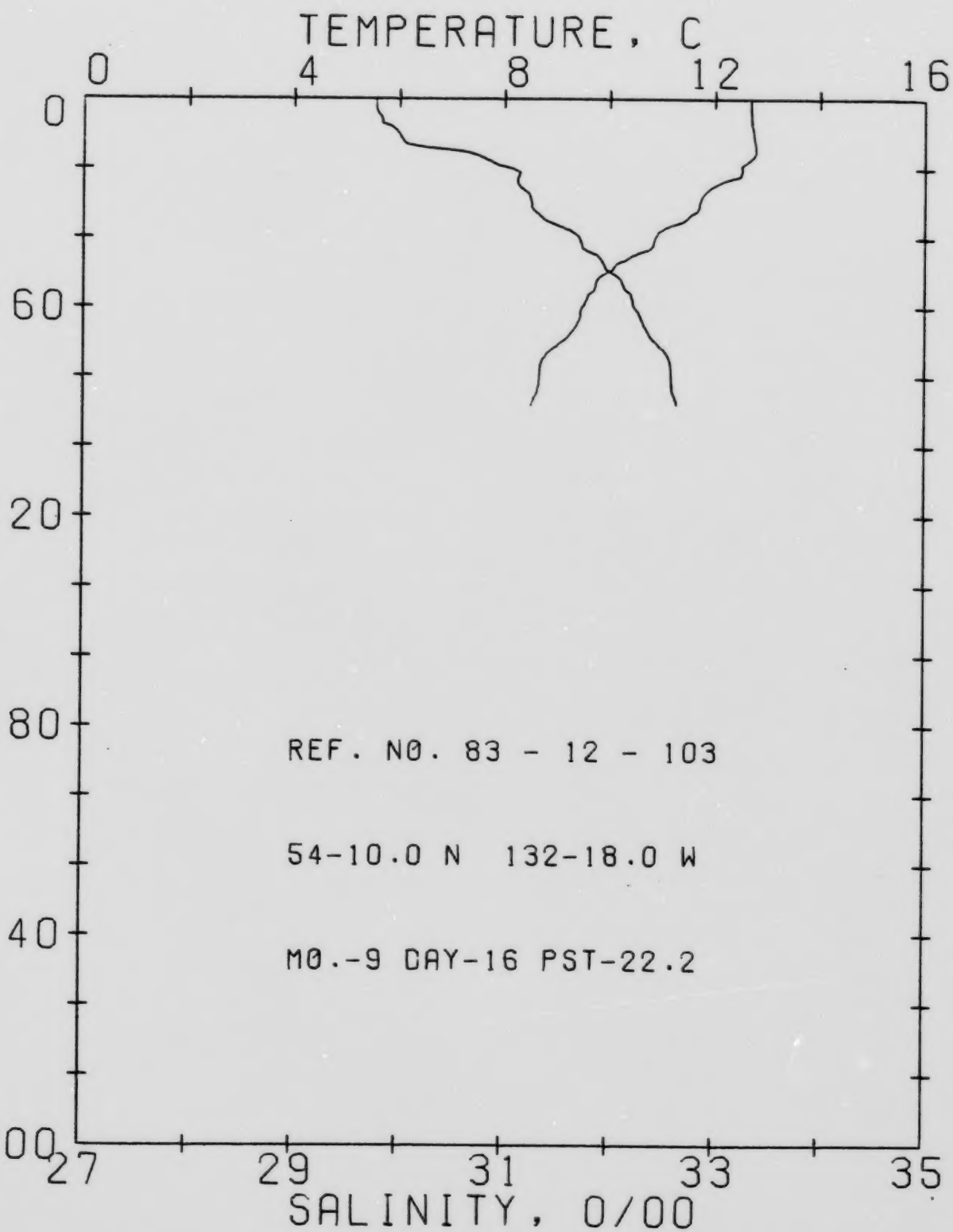
STATION Q42

RESULTS OF STP CAST 190 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.72 | 30.32 | 0     | 22.86      | 501.2 | .00        | .00        | 1494. |
| 10    | 12.72 | 30.63 | 10    | 23.09      | 479.0 | .50        | .03        | 1495. |
| 20    | 12.34 | 30.88 | 20    | 23.35      | 453.9 | .97        | .10        | 1494. |
| 30    | 11.74 | 31.14 | 30    | 23.67      | 424.3 | 1.41       | .21        | 1492. |
| 50    | 9.93  | 31.97 | 50    | 24.62      | 333.4 | 2.16       | .51        | 1487. |
| 75    | 7.74  | 32.80 | 75    | 25.61      | 239.8 | 2.87       | .96        | 1480. |
| 100   | 7.03  | 33.14 | 99    | 25.98      | 205.3 | 3.43       | 1.46       | 1478. |
| 125   | 6.62  | 33.37 | 124   | 26.21      | 183.1 | 3.91       | 2.01       | 1477. |
| 150   | 6.48  | 33.47 | 149   | 26.30      | 174.7 | 4.36       | 2.64       | 1477. |
| 175   | 6.29  | 33.54 | 174   | 26.39      | 166.9 | 4.78       | 3.34       | 1477. |

206



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-103

DATE 16/ 9/83

POSITION 54-10.0N, 132-18.0W

22.2

STATION Q41

RESULTS OF STP CAST

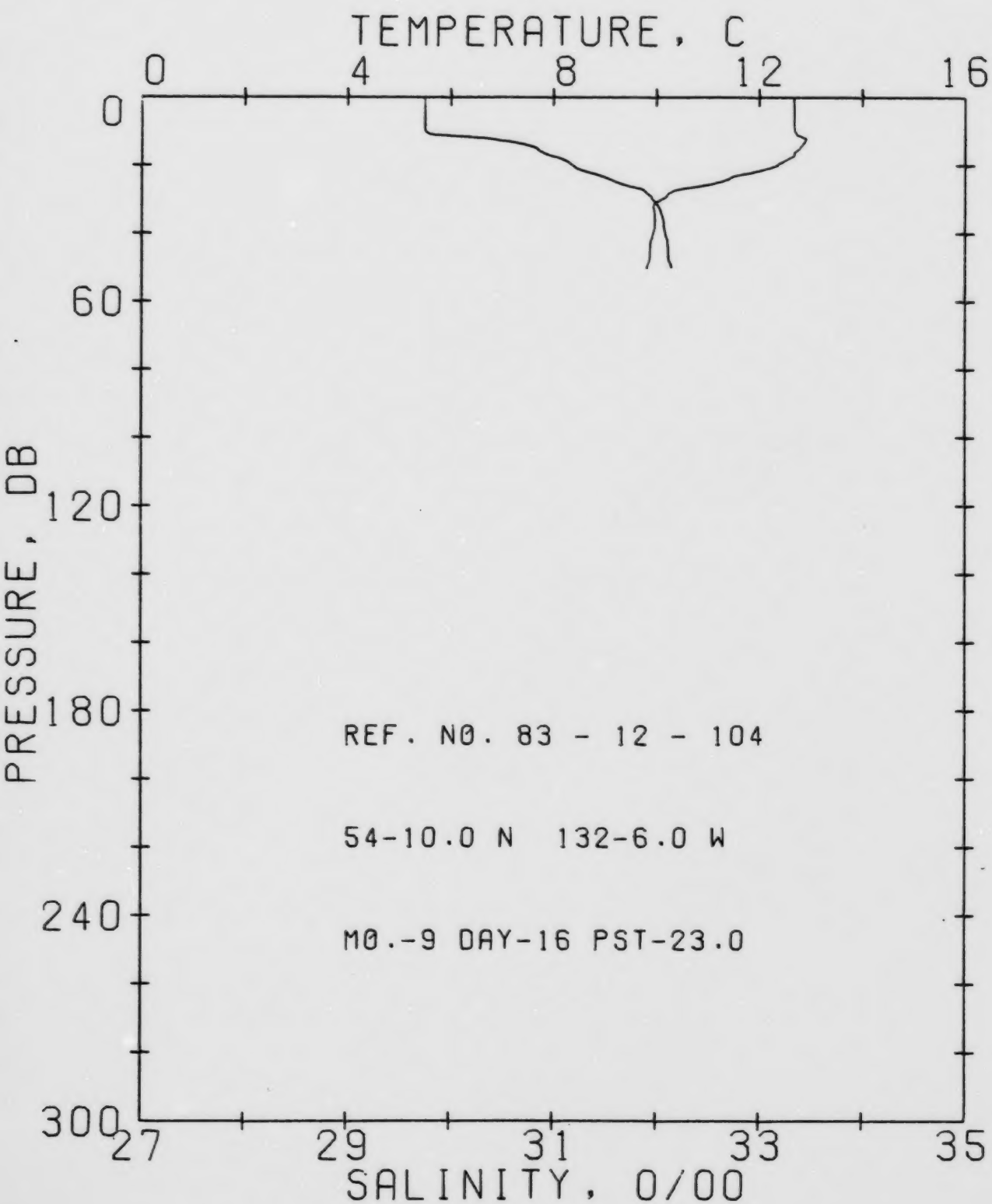
89 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.68 | 29.78 | 0     | 22.45      | 540.3 | .00        | .00        | 1493. |
| 10    | 12.74 | 30.00 | 10    | 22.61      | 525.3 | .54        | .03        | 1494. |
| 20    | 12.53 | 31.09 | 20    | 23.48      | 442.0 | 1.02       | .10        | 1495. |
| 30    | 11.71 | 31.27 | 30    | 23.77      | 414.3 | 1.45       | .21        | 1492. |
| 50    | 9.93  | 32.02 | 50    | 24.67      | 329.3 | 2.19       | .51        | 1487. |
| 75    | 8.73  | 32.57 | 75    | 25.29      | 270.7 | 2.95       | .99        | 1484. |



208



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-104

DATE 16/ 9/83

POSITION 54-10.0N, 132- 6.0W

23.0

STATION Q60

RESULTS OF STP CAST

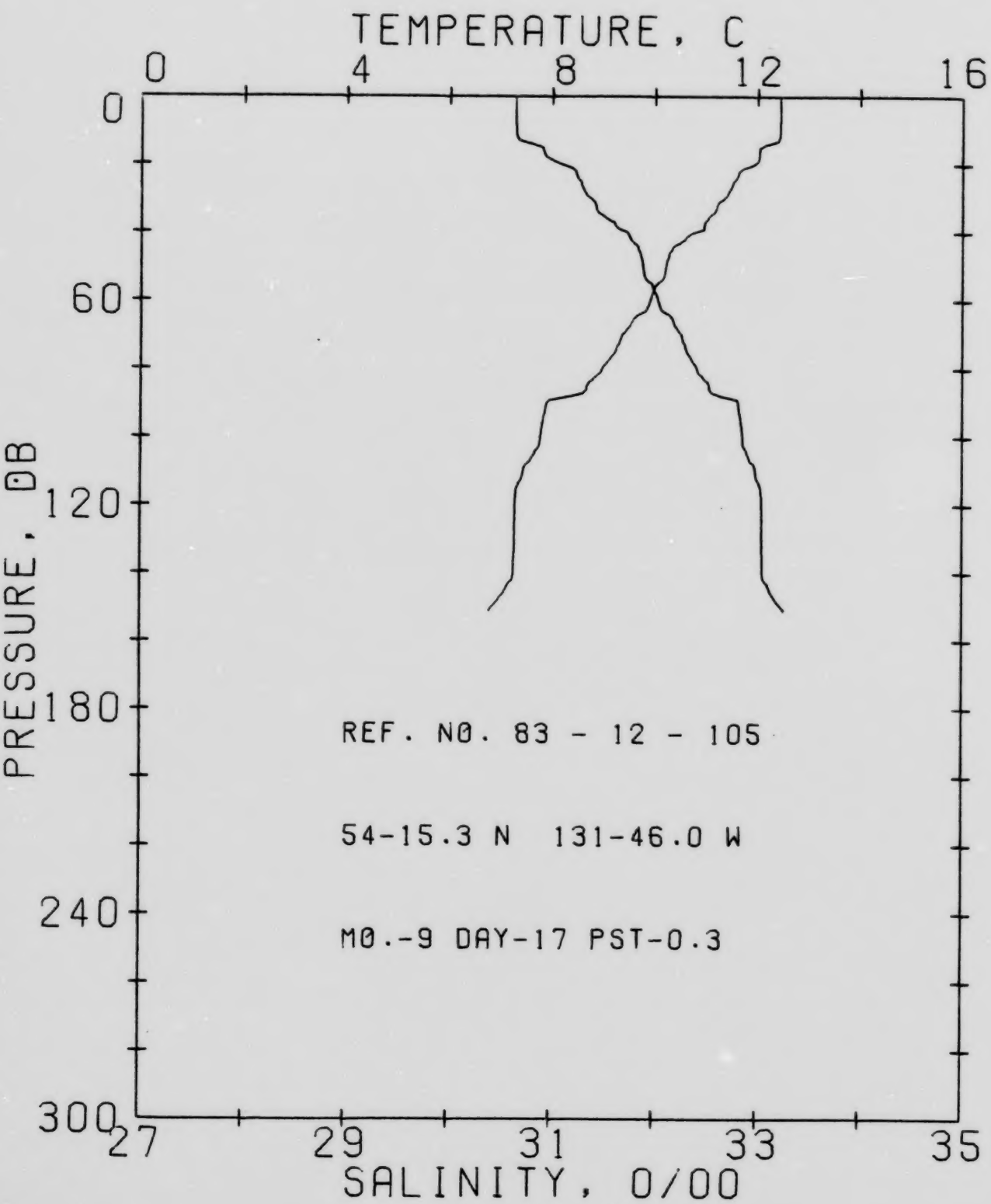
51 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.68 | 29.75 | 0     | 22.42      | 542.5 | .00        | .00        | 1493. |
| 10    | 12.68 | 29.75 | 10    | 22.43      | 542.6 | .54        | .03        | 1493. |
| 20    | 12.35 | 31.19 | 20    | 23.60      | 430.9 | 1.02       | .10        | 1494. |
| 30    | 10.09 | 31.97 | 30    | 24.60      | 335.7 | 1.39       | .19        | 1487. |
| 50    | 9.81  | 32.15 | 50    | 24.78      | 318.1 | 2.04       | .46        | 1487. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.68 | 29.75 | 26.  |       | 10.85 | 31.72 |
| 1.   |       | 12.68 | 29.75 | 27.  |       | 10.38 | 31.87 |
| 2.   |       | 12.68 | 29.75 | 28.  |       | 10.25 | 31.91 |
| 3.   |       | 12.68 | 29.75 | 29.  |       | 10.20 | 31.95 |
| 4.   |       | 12.68 | 29.75 | 30.  |       | 10.09 | 31.97 |
| 5.   |       | 12.68 | 29.75 | 31.  |       | 9.96  | 32.00 |
| 6.   |       | 12.68 | 29.75 | 32.  |       | 9.93  | 32.02 |
| 7.   |       | 12.68 | 29.75 | 33.  |       | 9.95  | 32.04 |
| 8.   |       | 12.68 | 29.75 | 34.  |       | 9.96  | 32.05 |
| 9.   |       | 12.68 | 29.75 | 35.  |       | 9.97  | 32.06 |
| 10.  |       | 12.68 | 29.75 | 36.  |       | 9.97  | 32.07 |
| 11.  |       | 12.73 | 29.81 | 37.  |       | 9.97  | 32.07 |
| 12.  |       | 12.93 | 30.35 | 38.  |       | 9.97  | 32.07 |
| 13.  |       | 12.89 | 30.58 | 39.  |       | 9.95  | 32.08 |
| 14.  |       | 12.85 | 30.74 | 40.  |       | 9.94  | 32.09 |
| 15.  |       | 12.79 | 30.85 | 41.  |       | 9.92  | 32.09 |
| 16.  |       | 12.70 | 30.88 | 42.  |       | 9.89  | 32.11 |
| 17.  |       | 12.69 | 30.96 | 43.  |       | 9.88  | 32.11 |
| 18.  |       | 12.57 | 31.08 | 44.  |       | 9.88  | 32.11 |
| 19.  |       | 12.44 | 31.15 | 45.  |       | 9.88  | 32.11 |
| 20.  |       | 12.35 | 31.19 | 46.  |       | 9.87  | 32.12 |
| 21.  |       | 12.12 | 31.24 | 47.  |       | 9.87  | 32.12 |
| 22.  |       | 11.87 | 31.34 | 48.  |       | 9.86  | 32.12 |
| 23.  |       | 11.51 | 31.46 | 49.  |       | 9.83  | 32.14 |
| 24.  |       | 11.41 | 31.55 | 50.  |       | 9.81  | 32.15 |
| 25.  |       | 11.17 | 31.62 |      |       |       |       |

210



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-105

DATE 17/ 9/83

POSITION 54-15.3N, 131-46.0W

.3

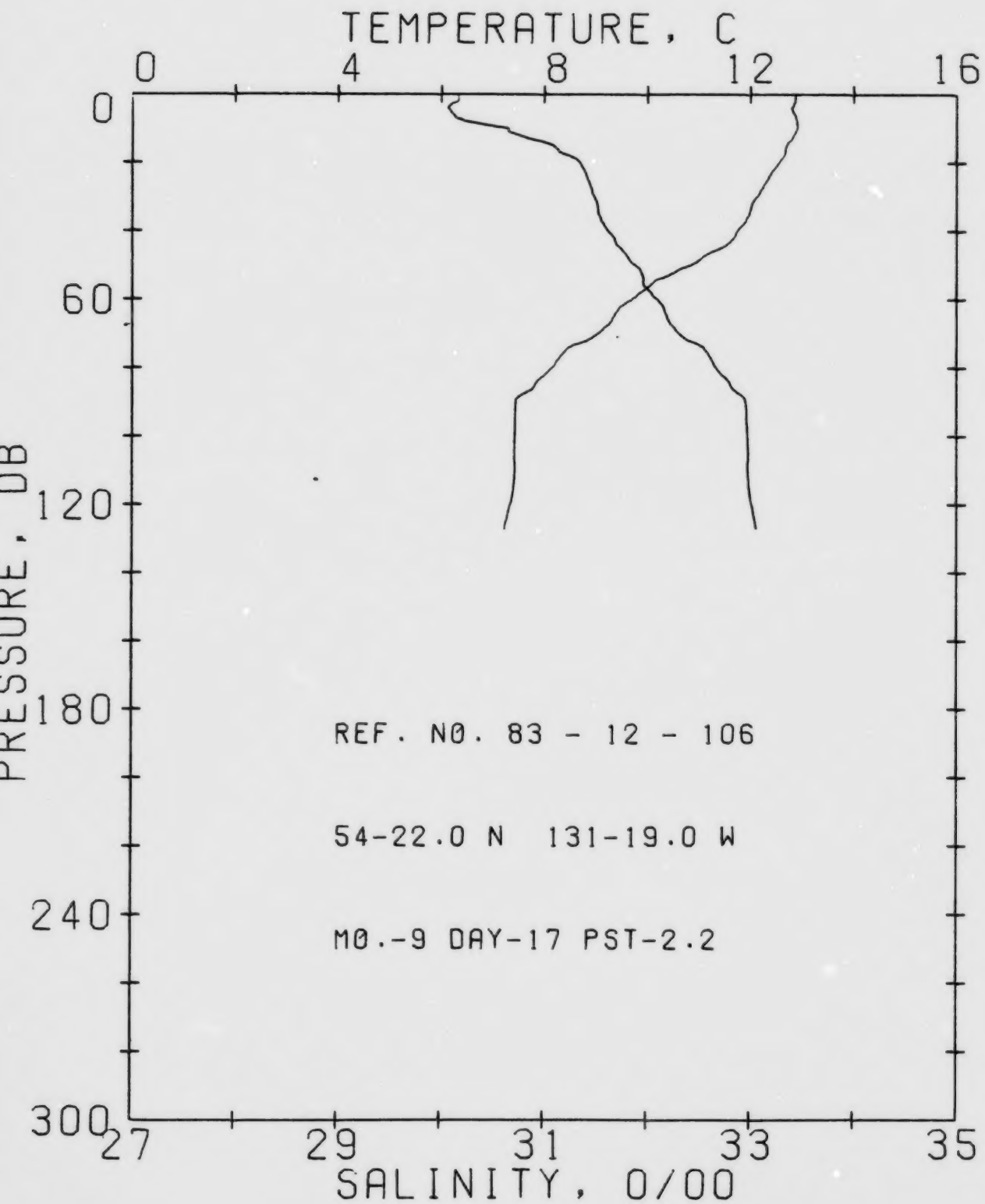
STATION Q62

RESULTS OF STP CAST 152 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.44 | 30.65 | 0     | 23.16      | 472.2 | .00        | .00        | 1494. |
| 10    | 12.44 | 30.65 | 10    | 23.16      | 472.0 | .47        | .02        | 1494. |
| 20    | 11.94 | 31.10 | 20    | 23.60      | 430.7 | .93        | .09        | 1493. |
| 30    | 11.35 | 31.38 | 30    | 23.93      | 399.5 | 1.34       | .20        | 1491. |
| 50    | 10.23 | 31.89 | 50    | 24.51      | 343.9 | 2.07       | .50        | 1488. |
| 75    | 9.24  | 32.32 | 75    | 25.01      | 297.4 | 2.88       | 1.00       | 1485. |
| 100   | 7.78  | 32.86 | 99    | 25.65      | 236.5 | 3.53       | 1.58       | 1481. |
| 125   | 7.28  | 33.05 | 124   | 25.87      | 216.1 | 4.09       | 2.22       | 1480. |
| 150   | 6.84  | 33.24 | 149   | 26.08      | 196.3 | 4.62       | 2.96       | 1479. |

212



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-106

DATE 17/ 9/83

POSITION 54-22.0N, 131-19.0W

2.2

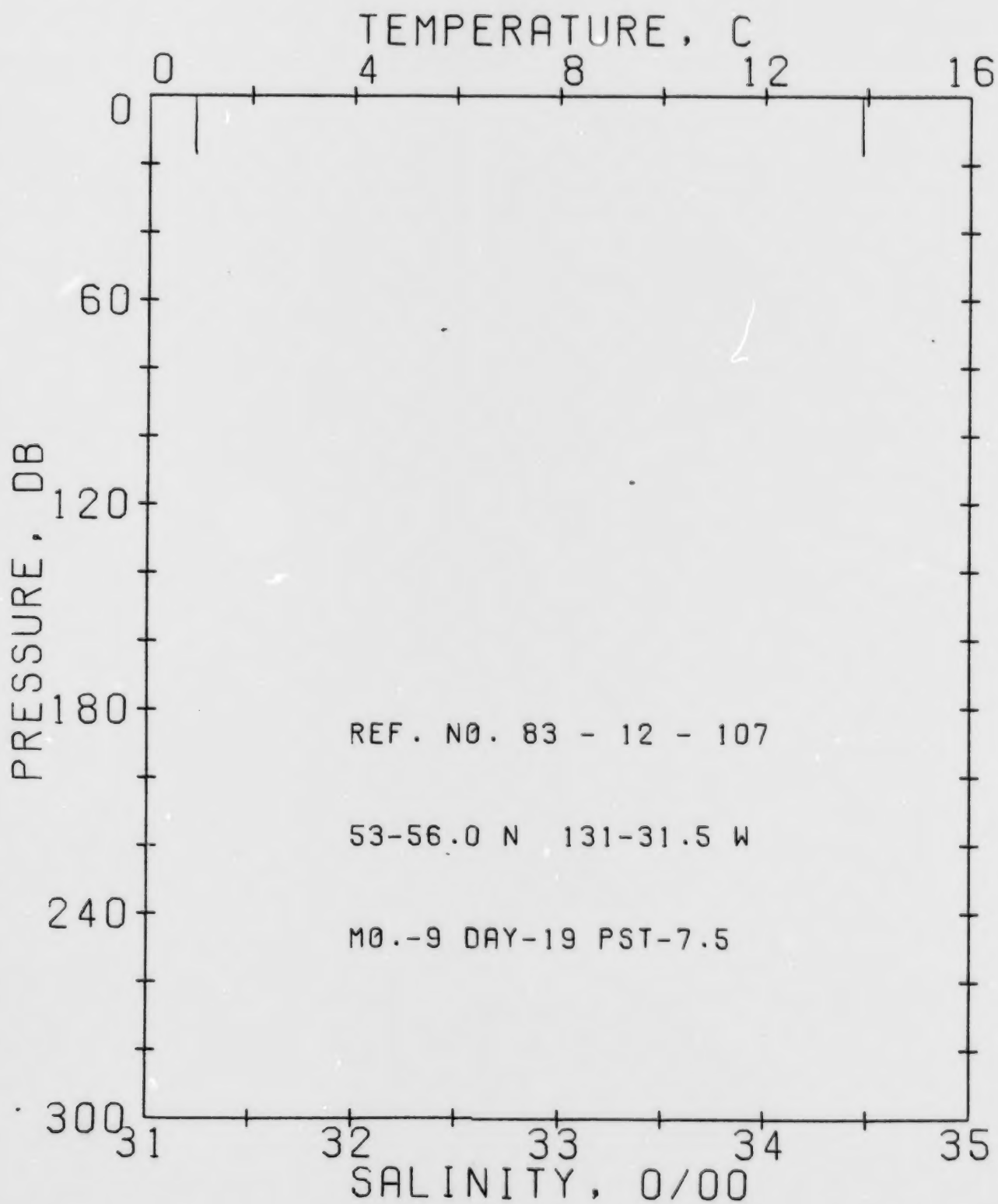
STATION Q61

RESULTS OF STP CAST 128 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.88 | 30.17 | 0     | 22.71      | 515.1 | .00        | .00        | 1494. |
| 10    | 12.92 | 30.66 | 10    | 23.08      | 479.9 | .51        | .03        | 1495. |
| 20    | 12.56 | 31.35 | 20    | 23.68      | 422.8 | .96        | .09        | 1495. |
| 30    | 12.13 | 31.49 | 30    | 23.87      | 405.0 | 1.38       | .20        | 1494. |
| 50    | 10.82 | 31.88 | 50    | 24.41      | 354.0 | 2.15       | .51        | 1490. |
| 75    | 8.42  | 32.57 | 75    | 25.33      | 266.5 | 2.93       | 1.01       | 1483. |
| 100   | 7.43  | 32.97 | 99    | 25.79      | 223.1 | 3.53       | 1.53       | 1480. |
| 125   | 7.27  | 33.04 | 124   | 25.86      | 216.2 | 4.08       | 2.17       | 1480. |

214



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-107

DATE 19/ 9/83

POSITION 53-56.0N, 131-31.5W

7.5

STATION R 7

RESULTS OF STP CAST 18 POINTS TAKEN FROM DIGITAL SYSTEM

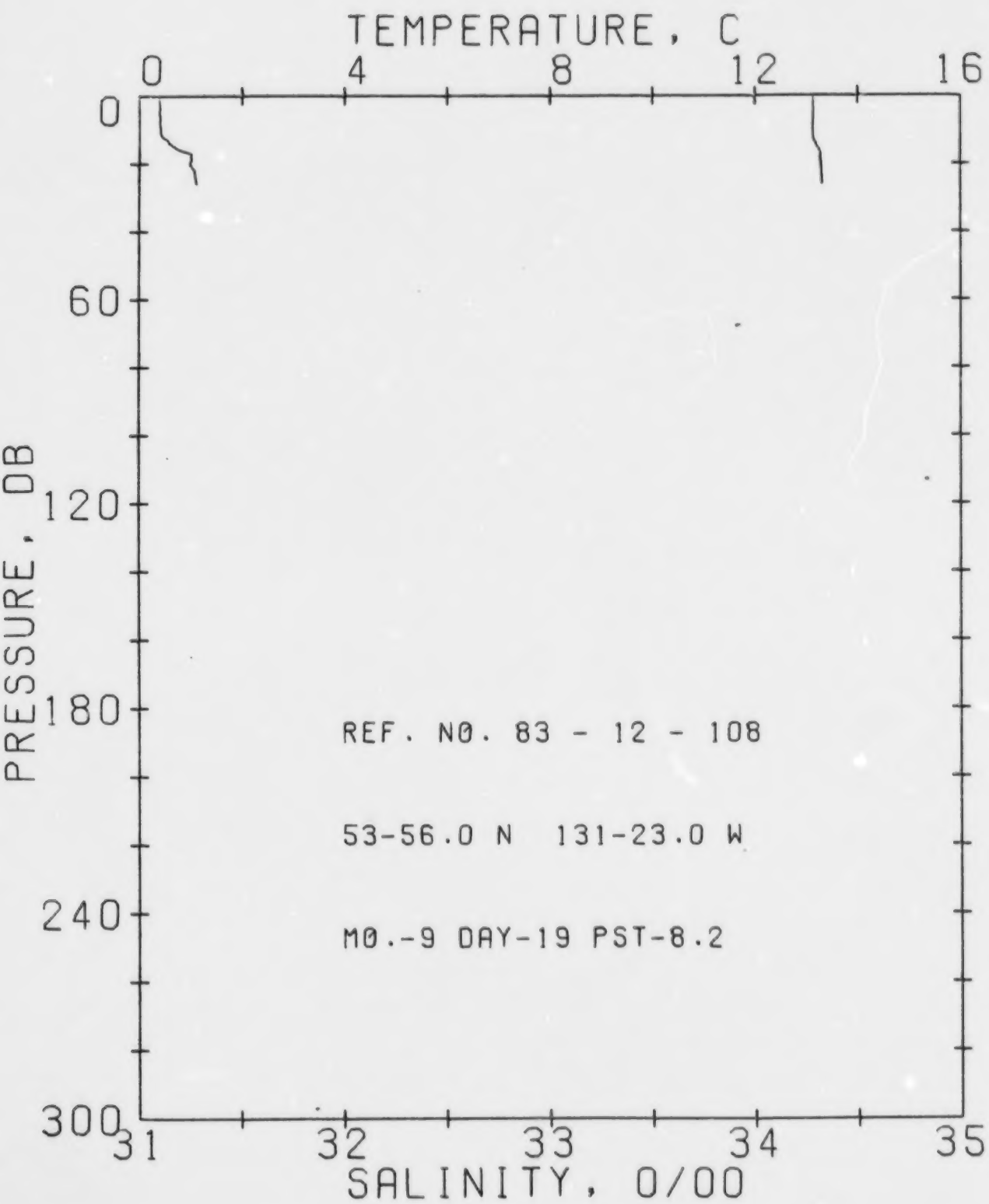
GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.90 | 31.22 | 0     | 23.32      | 456.8 | .00        | .00        | 1499. |
| 10    | 13.90 | 31.22 | 10    | 23.32      | 457.2 | .46        | .02        | 1499. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.90 | 31.22 | 9.   |       | 13.90 | 31.22 |
| 1.   |       | 13.90 | 31.22 | 10.  |       | 13.90 | 31.22 |
| 2.   |       | 13.90 | 31.22 | 11.  |       | 13.90 | 31.22 |
| 3.   |       | 13.90 | 31.22 | 12.  |       | 13.90 | 31.22 |
| 4.   |       | 13.90 | 31.22 | 13.  |       | 13.90 | 31.22 |
| 5.   |       | 13.90 | 31.22 | 14.  |       | 13.90 | 31.22 |
| 6.   |       | 13.90 | 31.22 | 15.  |       | 13.90 | 31.22 |
| 7.   |       | 13.90 | 31.22 | 16.  |       | 13.90 | 31.22 |
| 8.   |       | 13.90 | 31.22 | 17.  |       | 13.90 | 31.23 |



216



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-108

DATE 19/ 9/83

POSITION 53-56.0N, 131-23.0W

8.2

STATION R 6

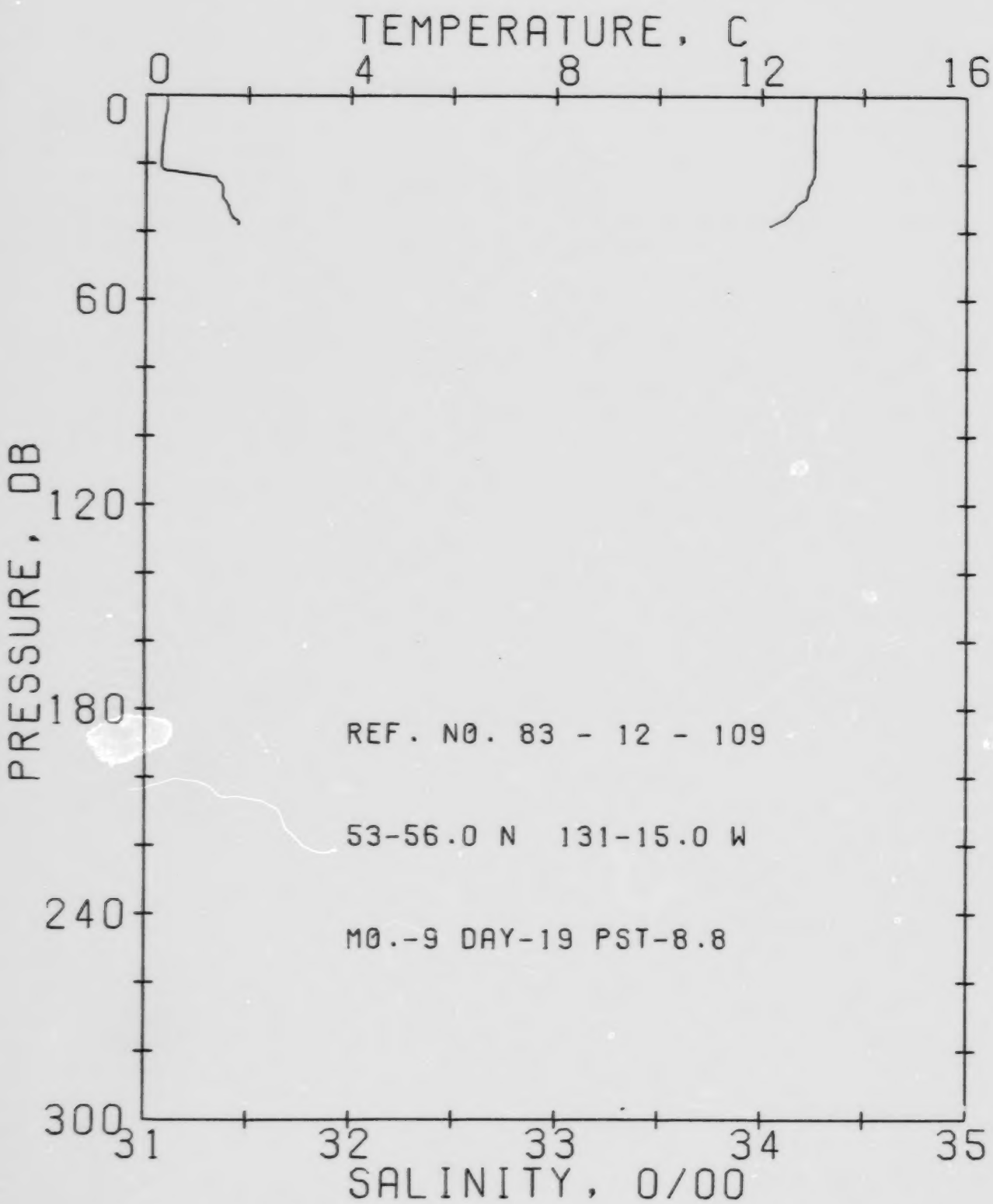
RESULTS OF STP CAST 27 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.14 | 31.10 | 0     | 23.37      | 451.6 | .00        | .00        | 1496. |
| 10    | 13.13 | 31.10 | 10    | 23.38      | 451.2 | .45        | .02        | 1497. |
| 20    | 13.29 | 31.24 | 20    | 23.46      | 444.3 | .90        | .09        | 1497. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.14 | 31.10 | 14.  |       | 13.19 | 31.15 |
| 1.   |       | 13.14 | 31.10 | 15.  |       | 13.21 | 31.17 |
| 2.   |       | 13.14 | 31.10 | 16.  |       | 13.26 | 31.20 |
| 3.   |       | 13.13 | 31.10 | 17.  |       | 13.29 | 31.26 |
| 4.   |       | 13.14 | 31.10 | 18.  |       | 13.27 | 31.25 |
| 5.   |       | 13.13 | 31.09 | 19.  |       | 13.27 | 31.25 |
| 6.   |       | 13.13 | 31.10 | 20.  |       | 13.29 | 31.24 |
| 7.   |       | 13.13 | 31.10 | 21.  |       | 13.29 | 31.26 |
| 8.   |       | 13.12 | 31.10 | 22.  |       | 13.29 | 31.27 |
| 9.   |       | 13.12 | 31.10 | 23.  |       | 13.30 | 31.27 |
| 10.  |       | 13.13 | 31.10 | 24.  |       | 13.30 | 31.27 |
| 11.  |       | 13.13 | 31.10 | 25.  |       | 13.30 | 31.27 |
| 12.  |       | 13.13 | 31.11 | 26.  |       | 13.31 | 31.28 |
| 13.  |       | 13.15 | 31.14 |      |       |       |       |

218



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-109

DATE 19/ 9/83

POSITION 53-56.0N, 131-15.0W

8.8

STATION R 5

RESULTS OF STP CAST

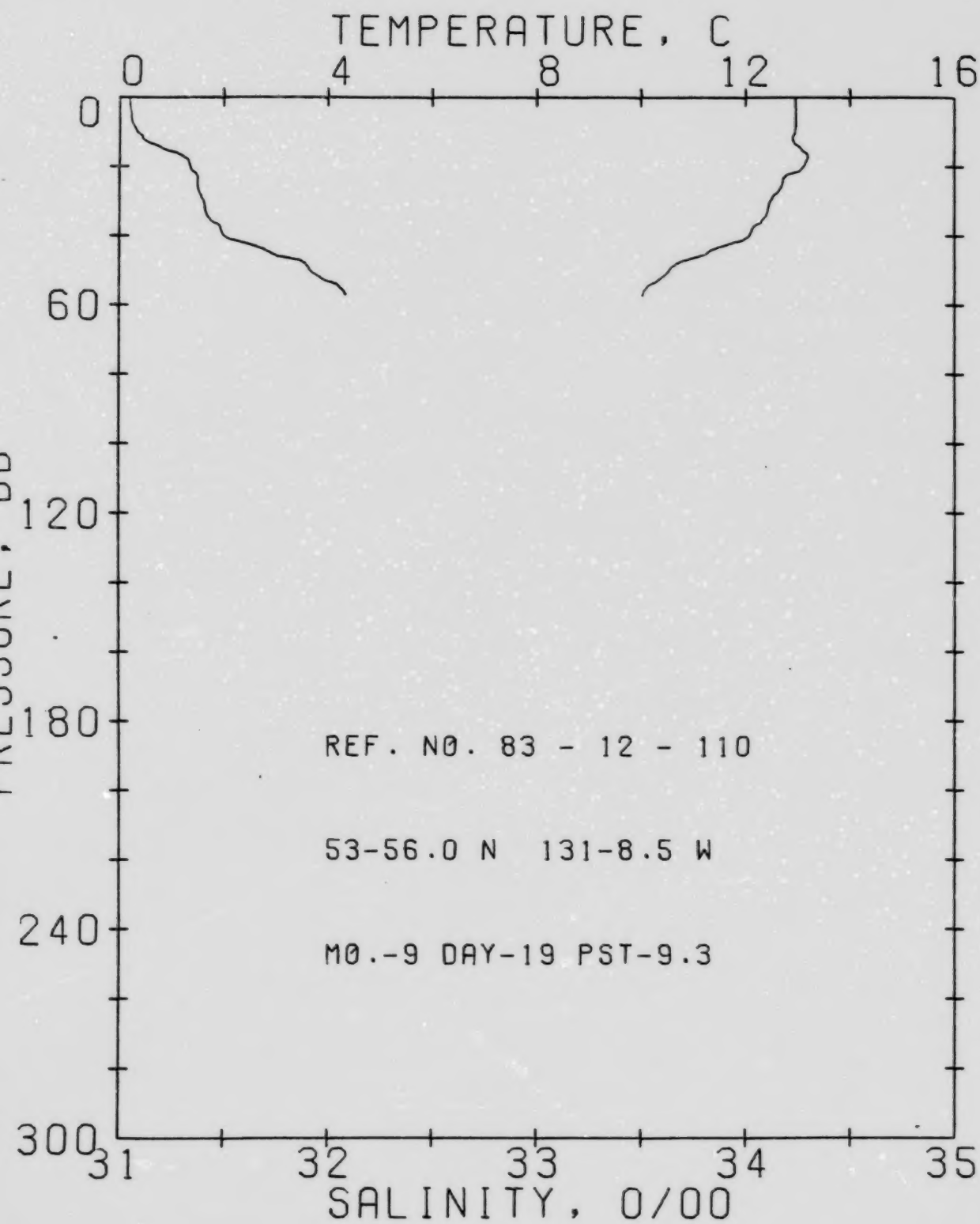
39 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.05 | 31.10 | 0     | 23.39      | 449.7 | .00        | .00        | 1496. |
| 10    | 13.04 | 31.09 | 10    | 23.38      | 450.9 | .45        | .02        | 1496. |
| 20    | 13.04 | 31.07 | 20    | 23.37      | 452.1 | .90        | .09        | 1496. |
| 30    | 12.87 | 31.37 | 30    | 23.64      | 427.3 | 1.34       | .20        | 1496. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.05 | 31.10 | 20.  |       | 13.04 | 31.07 |
| 1.   |       | 13.05 | 31.10 | 21.  |       | 13.04 | 31.07 |
| 2.   |       | 13.05 | 31.10 | 22.  |       | 13.04 | 31.09 |
| 3.   |       | 13.04 | 31.10 | 23.  |       | 13.04 | 31.22 |
| 4.   |       | 13.04 | 31.10 | 24.  |       | 13.01 | 31.34 |
| 5.   |       | 13.05 | 31.10 | 25.  |       | 12.99 | 31.35 |
| 6.   |       | 13.04 | 31.09 | 26.  |       | 12.93 | 31.37 |
| 7.   |       | 13.04 | 31.09 | 27.  |       | 12.91 | 31.38 |
| 8.   |       | 13.04 | 31.09 | 28.  |       | 12.90 | 31.38 |
| 9.   |       | 13.04 | 31.09 | 29.  |       | 12.90 | 31.37 |
| 10.  |       | 13.04 | 31.09 | 30.  |       | 12.87 | 31.37 |
| 11.  |       | 13.04 | 31.08 | 31.  |       | 12.73 | 31.39 |
| 12.  |       | 13.04 | 31.08 | 32.  |       | 12.68 | 31.40 |
| 13.  |       | 13.04 | 31.08 | 33.  |       | 12.64 | 31.40 |
| 14.  |       | 13.04 | 31.08 | 34.  |       | 12.58 | 31.41 |
| 15.  |       | 13.04 | 31.07 | 35.  |       | 12.53 | 31.42 |
| 16.  |       | 13.04 | 31.08 | 36.  |       | 12.45 | 31.43 |
| 17.  |       | 13.04 | 31.07 | 37.  |       | 12.31 | 31.45 |
| 18.  |       | 13.04 | 31.07 | 38.  |       | 12.18 | 31.45 |
| 19.  |       | 13.04 | 31.07 |      |       |       |       |

220



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-110

DATE 19/ 9/83

POSITION 53-56.0N, 131- 8.5W

9.3

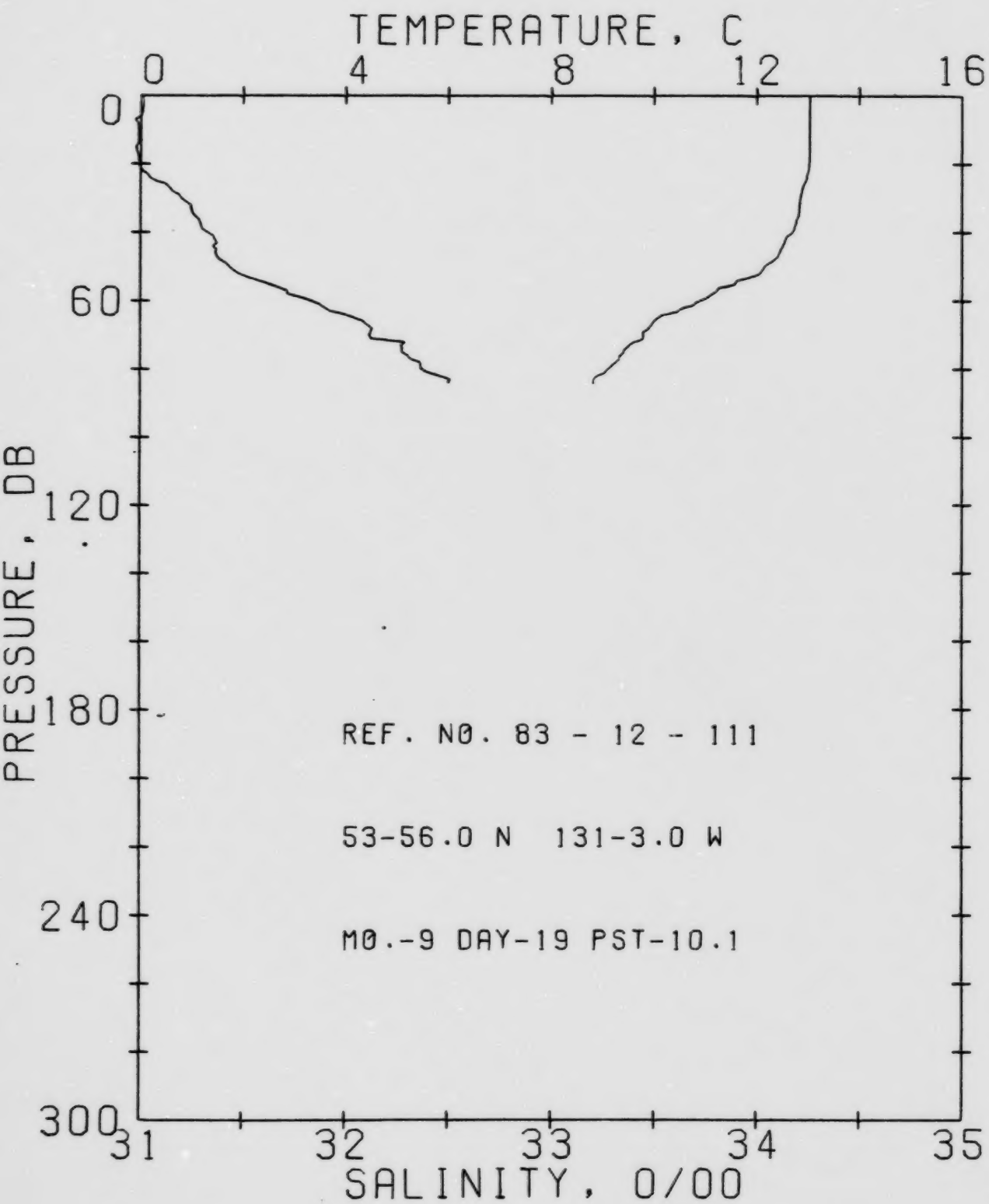
STATION R 4

RESULTS OF STP CAST 58 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.95 | 31.05 | 0     | 23.37      | 451.7 | .00        | .00        | 1496. |
| 10    | 12.95 | 31.09 | 10    | 23.40      | 449.3 | .45        | .02        | 1496. |
| 20    | 13.11 | 31.34 | 20    | 23.57      | 433.8 | .89        | .09        | 1497. |
| 30    | 12.47 | 31.40 | 30    | 23.74      | 417.6 | 1.32       | .20        | 1495. |
| 50    | 10.54 | 31.91 | 50    | 24.48      | 347.3 | 2.10       | .51        | 1489. |

222



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-111

DATE 19/ 9/83

POSITION 53-56.0N, 131- 3.0W

10.1

STATION R 3

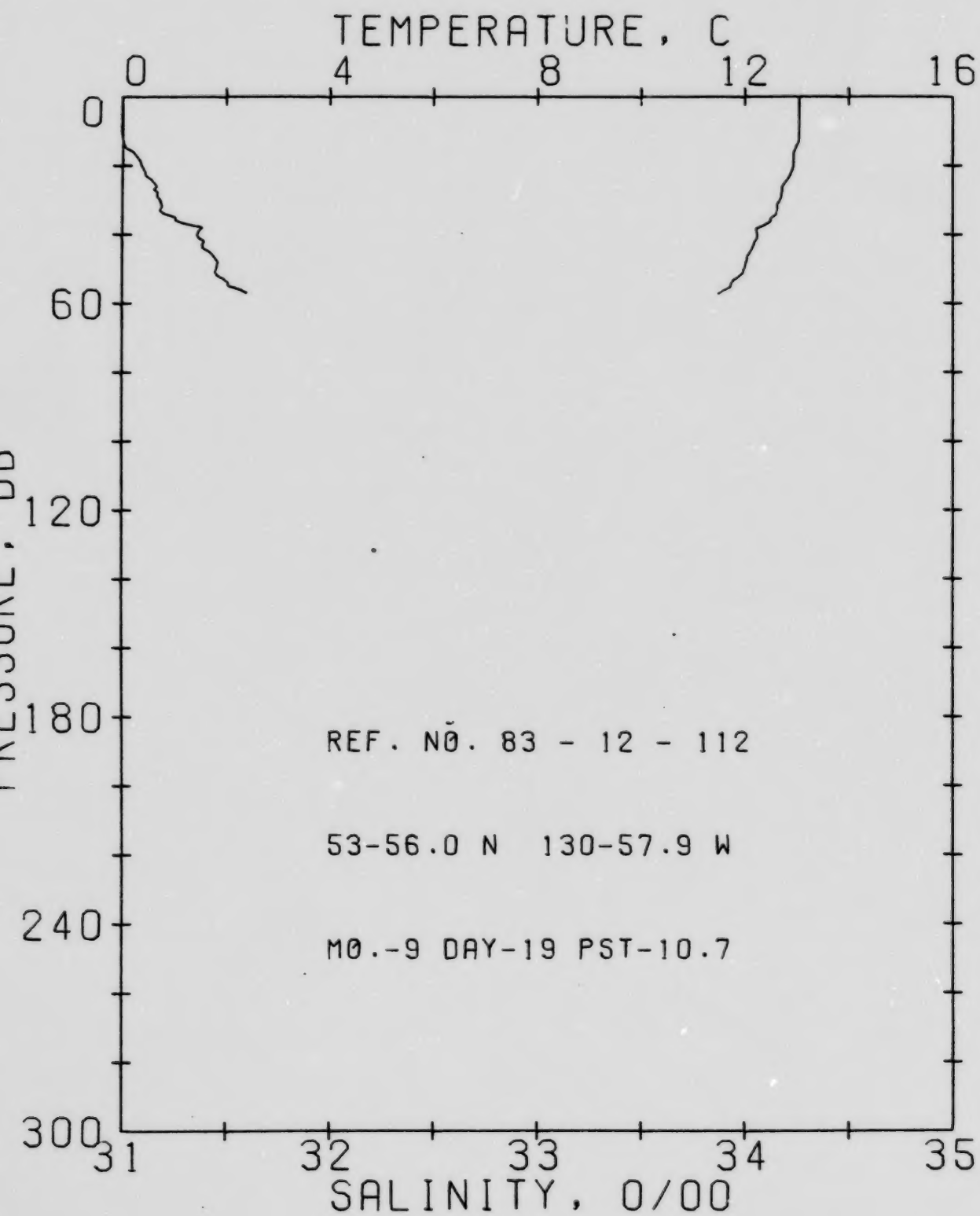
RESULTS OF STP CAST 85 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.04 | 31.01 | 0     | 23.33      | 456.1 | .00        | .00        | 1496. |
| 10    | 13.04 | 30.99 | 10    | 23.31      | 458.1 | .46        | .02        | 1496. |
| 20    | 13.03 | 31.00 | 20    | 23.32      | 457.6 | .92        | .09        | 1496. |
| 30    | 12.85 | 31.20 | 30    | 23.51      | 439.5 | 1.36       | .21        | 1496. |
| 50    | 12.15 | 31.44 | 50    | 23.82      | 410.1 | 2.22       | .55        | 1494. |
| 75    | 9.40  | 32.27 | 75    | 24.95      | 303.2 | 3.09       | 1.11       | 1486. |



224



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-112

DATE 19/ 9/83

POSITION 53-56.0N, 130-57.9W

10.7

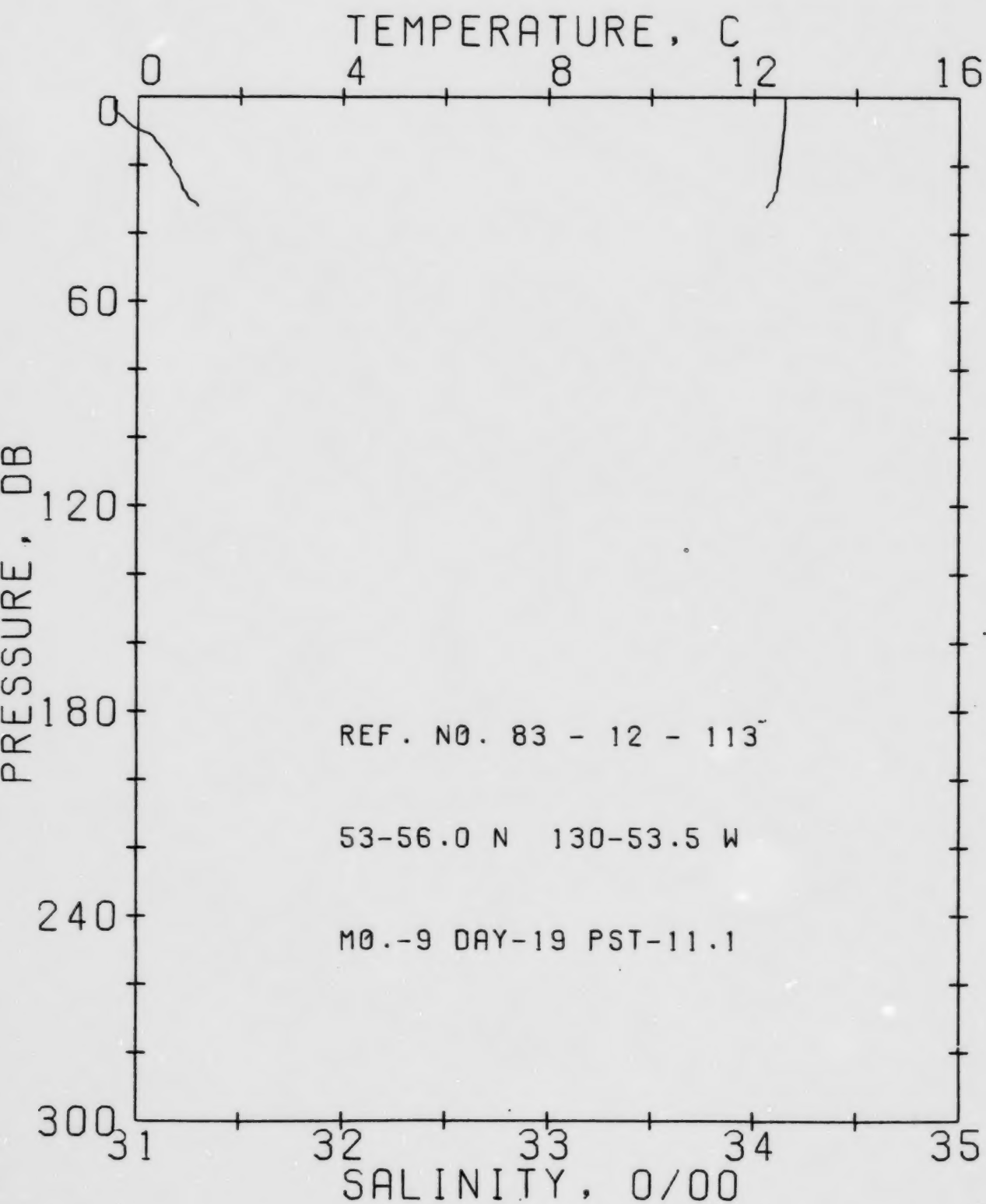
STATION R 2

RESULTS OF STP CAST 58 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.05 | 31.00 | 0     | 23.31      | 457.6 | .00        | .00        | 1496. |
| 10    | 13.05 | 31.00 | 10    | 23.31      | 457.7 | .46        | .02        | 1496. |
| 20    | 12.94 | 31.09 | 20    | 23.41      | 448.9 | .91        | .09        | 1496. |
| 30    | 12.68 | 31.18 | 30    | 23.53      | 437.6 | 1.35       | .21        | 1495. |
| 50    | 11.98 | 31.45 | 50    | 23.86      | 405.9 | 2.19       | .55        | 1494. |

226



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-113

DATE 19/ 9/83

POSITION 53-56.0N, 130-53.5W

11.1

STATION R 1

RESULTS OF STP CAST

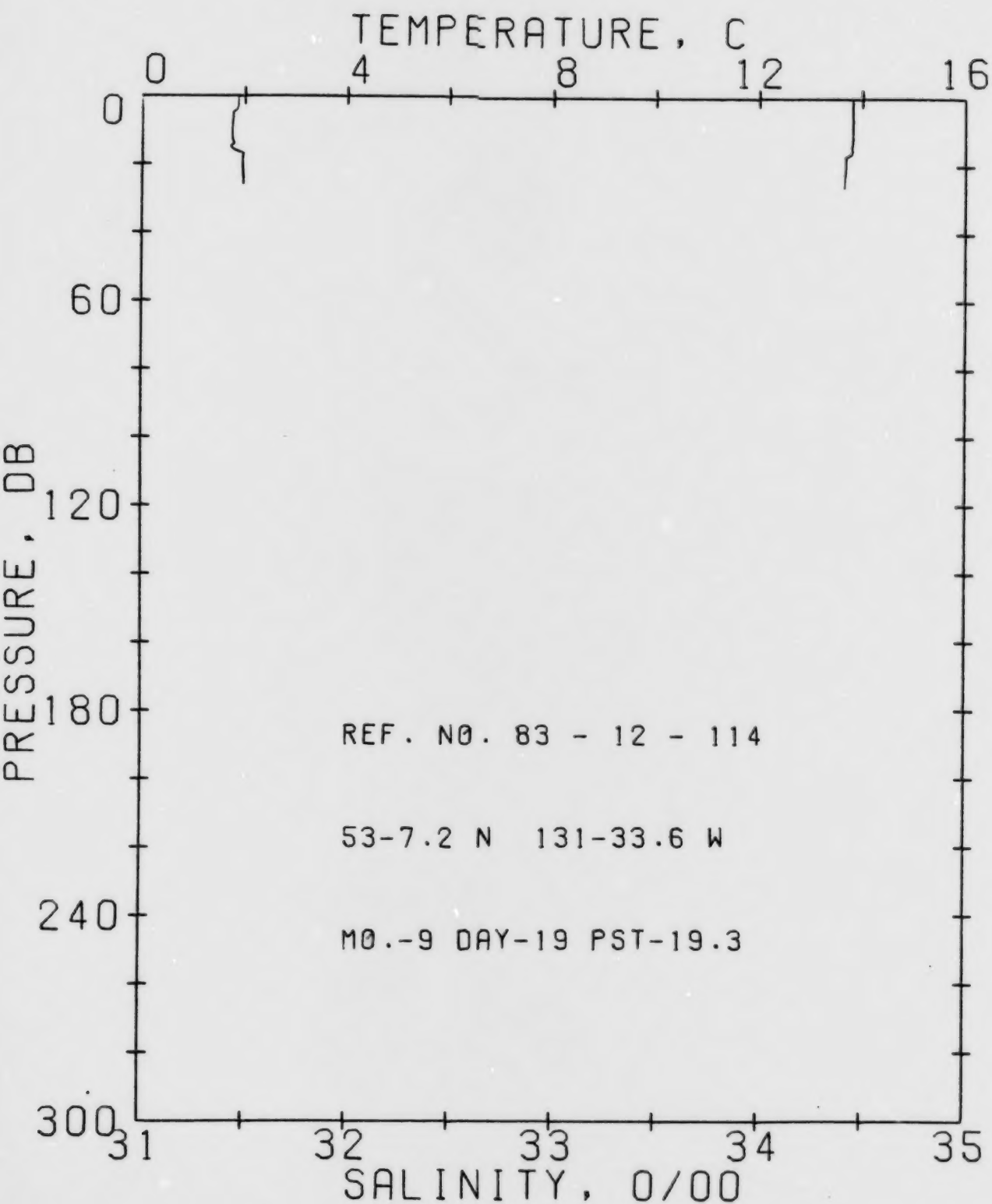
33 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.61 | 30.88 | 0     | 23.31      | 457.9 | .00        | .00        | 1494. |
| 10    | 12.58 | 31.02 | 10    | 23.42      | 447.7 | .46        | .02        | 1495. |
| 20    | 12.51 | 31.16 | 20    | 23.54      | 436.4 | .89        | .09        | 1495. |
| 30    | 12.38 | 31.25 | 30    | 23.64      | 427.2 | 1.33       | .20        | 1495. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.61 | 30.88 | 17.  |       | 12.52 | 31.14 |
| 1.   |       | 12.61 | 30.88 | 18.  |       | 12.51 | 31.15 |
| 2.   |       | 12.61 | 30.88 | 19.  |       | 12.50 | 31.16 |
| 3.   |       | 12.61 | 30.88 | 20.  |       | 12.51 | 31.16 |
| 4.   |       | 12.61 | 30.88 | 21.  |       | 12.50 | 31.17 |
| 5.   |       | 12.60 | 30.90 | 22.  |       | 12.49 | 31.18 |
| 6.   |       | 12.59 | 30.93 | 23.  |       | 12.48 | 31.20 |
| 7.   |       | 12.59 | 30.94 | 24.  |       | 12.46 | 31.21 |
| 8.   |       | 12.59 | 30.96 | 25.  |       | 12.46 | 31.21 |
| 9.   |       | 12.59 | 30.98 | 26.  |       | 12.45 | 31.22 |
| 10.  |       | 12.58 | 31.02 | 27.  |       | 12.45 | 31.22 |
| 11.  |       | 12.57 | 31.06 | 28.  |       | 12.40 | 31.24 |
| 12.  |       | 12.56 | 31.09 | 29.  |       | 12.39 | 31.24 |
| 13.  |       | 12.56 | 31.09 | 30.  |       | 12.38 | 31.25 |
| 14.  |       | 12.55 | 31.10 | 31.  |       | 12.29 | 31.28 |
| 15.  |       | 12.54 | 31.12 | 32.  |       | 12.26 | 31.30 |
| 16.  |       | 12.53 | 31.13 |      |       |       |       |

228



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-114

DATE 19/ 9/83

POSITION 53- 7.2N, 131-33.6W

19.3

STATION W16

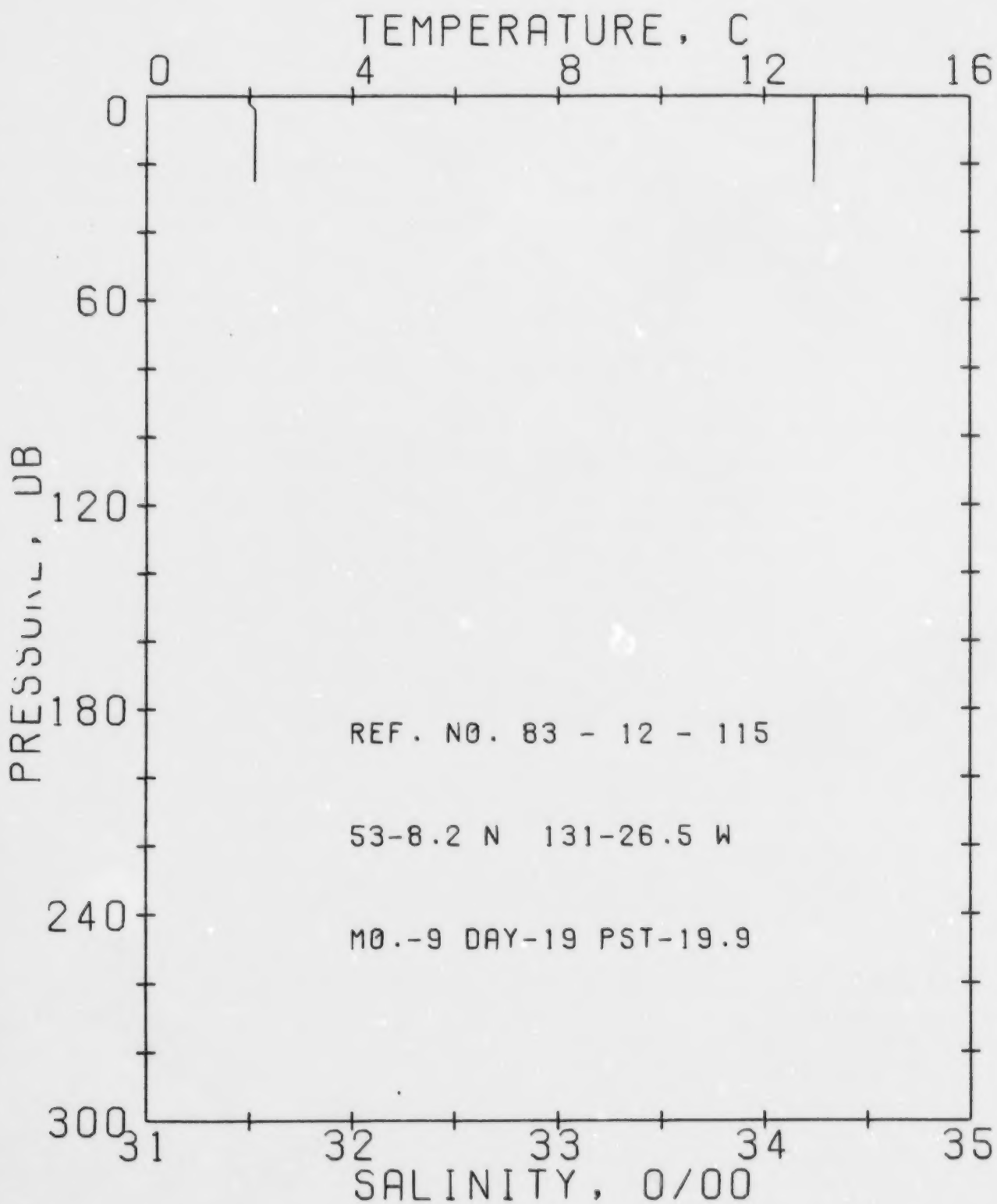
RESULTS OF STP CAST 27 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.81 | 31.47 | 0     | 23.53      | 437.2 | .00        | .00        | 1499. |
| 10    | 13.81 | 31.44 | 10    | 23.50      | 439.8 | .44        | .02        | 1499. |
| 20    | 13.67 | 31.49 | 20    | 23.57      | 433.7 | .88        | .09        | 1499. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.81 | 31.47 | 14.  |       | 13.79 | 31.45 |
| 1.   |       | 13.81 | 31.47 | 15.  |       | 13.81 | 31.43 |
| 2.   |       | 13.81 | 31.47 | 16.  |       | 13.80 | 31.45 |
| 3.   |       | 13.81 | 31.47 | 17.  |       | 13.67 | 31.49 |
| 4.   |       | 13.81 | 31.46 | 18.  |       | 13.67 | 31.49 |
| 5.   |       | 13.81 | 31.44 | 19.  |       | 13.67 | 31.49 |
| 6.   |       | 13.81 | 31.44 | 20.  |       | 13.67 | 31.49 |
| 7.   |       | 13.81 | 31.44 | 21.  |       | 13.67 | 31.49 |
| 8.   |       | 13.81 | 31.44 | 22.  |       | 13.67 | 31.49 |
| 9.   |       | 13.81 | 31.44 | 23.  |       | 13.66 | 31.49 |
| 10.  |       | 13.81 | 31.44 | 24.  |       | 13.66 | 31.49 |
| 11.  |       | 13.81 | 31.44 | 25.  |       | 13.65 | 31.49 |
| 12.  |       | 13.81 | 31.44 | 26.  |       | 13.65 | 31.49 |
| 13.  |       | 13.81 | 31.44 |      |       |       |       |

230



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-115

DATE 19/ 9/83

POSITION 53- 8.2N, 131-26.5W

19.9

STATION W15

RESULTS OF STP CAST

26 POINTS TAKEN FROM DIGITAL SYSTEM

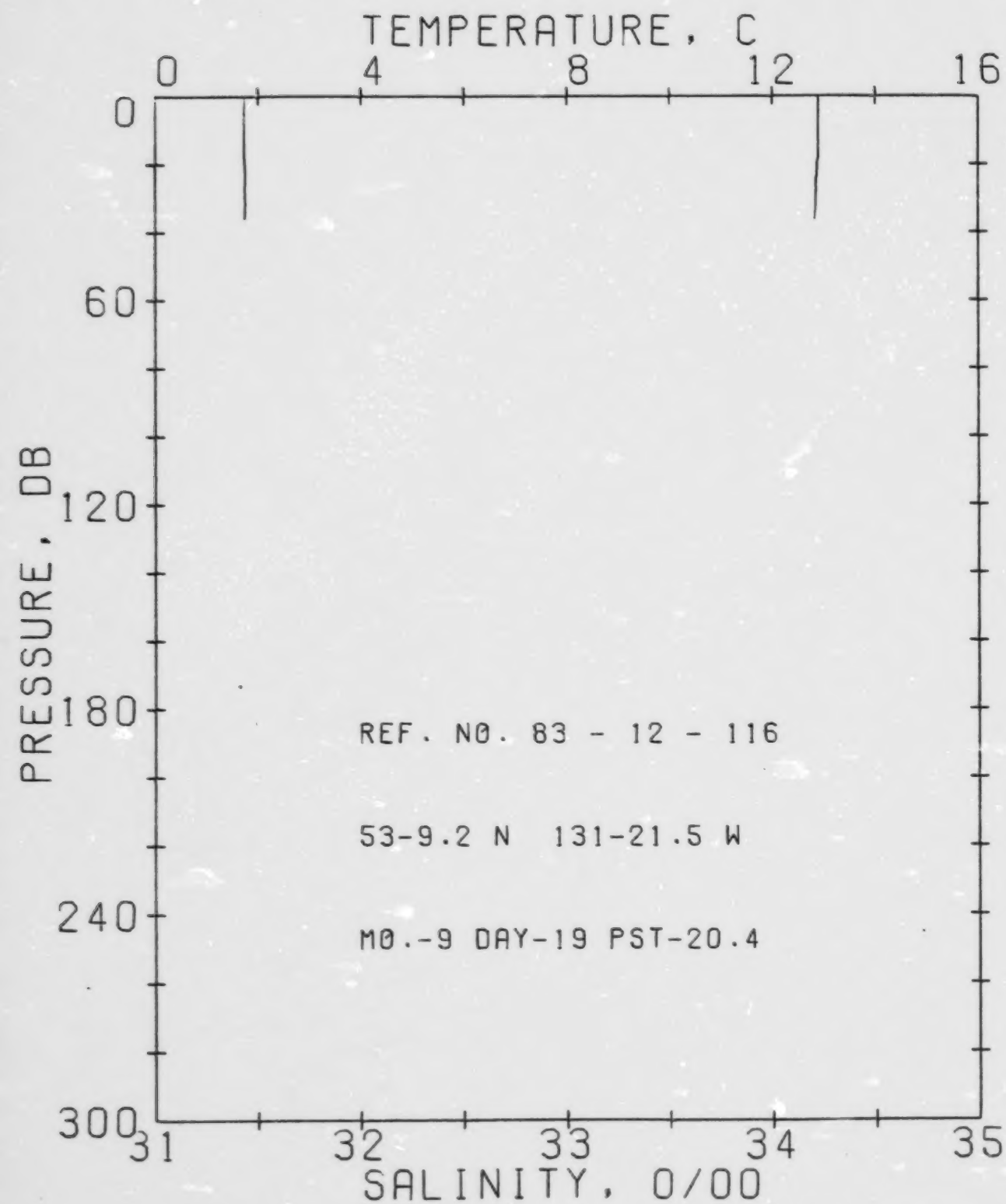
GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.98 | 31.49 | 0     | 23.71      | 419.7 | .00        | .00        | 1496. |
| 10    | 12.97 | 31.52 | 10    | 23.73      | 417.5 | .42        | .02        | 1497. |
| 20    | 12.97 | 31.52 | 20    | 23.73      | 417.7 | .84        | .09        | 1497. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.98 | 31.49 | 13.  |       | 12.97 | 31.52 |
| 1.   |       | 12.98 | 31.49 | 14.  |       | 12.97 | 31.52 |
| 2.   |       | 12.98 | 31.49 | 15.  |       | 12.97 | 31.52 |
| 3.   |       | 12.98 | 31.51 | 16.  |       | 12.97 | 31.52 |
| 4.   |       | 12.98 | 31.53 | 17.  |       | 12.97 | 31.52 |
| 5.   |       | 12.98 | 31.53 | 18.  |       | 12.97 | 31.52 |
| 6.   |       | 12.98 | 31.53 | 19.  |       | 12.97 | 31.52 |
| 7.   |       | 12.97 | 31.53 | 20.  |       | 12.97 | 31.52 |
| 8.   |       | 12.97 | 31.53 | 21.  |       | 12.97 | 31.52 |
| 9.   |       | 12.97 | 31.53 | 22.  |       | 12.97 | 31.52 |
| 10.  |       | 12.97 | 31.52 | 23.  |       | 12.97 | 31.52 |
| 11.  |       | 12.97 | 31.52 | 24.  |       | 12.97 | 31.52 |
| 12.  |       | 12.97 | 31.52 | 25.  |       | 12.97 | 31.52 |



232



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-116

DATE 19/ 9/83

POSITION 53- 9.2N, 131-21.5W

20.4

STATION W14

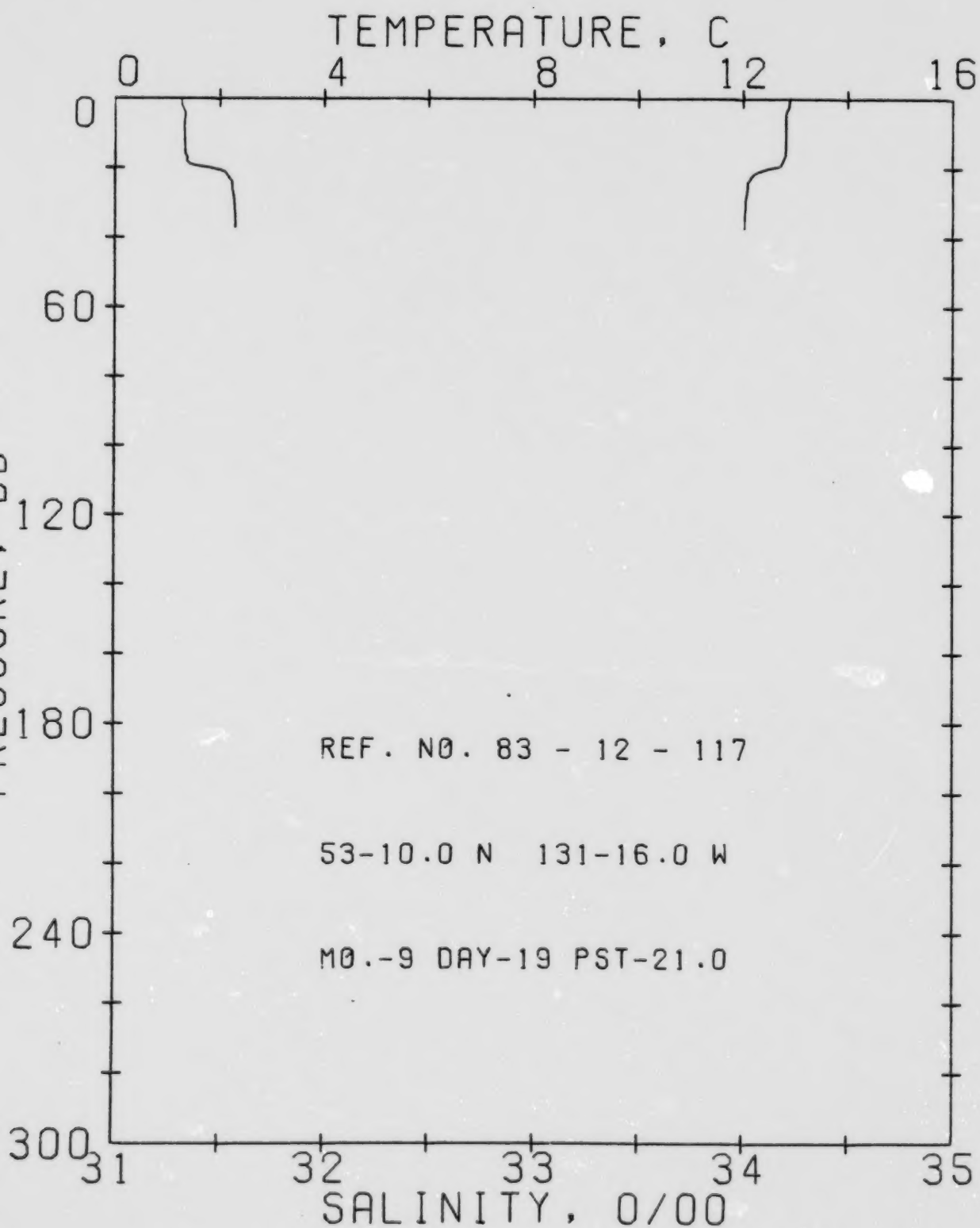
RESULTS OF STP CAST 37 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.90 | 31.43 | 0     | 23.68      | 422.5 | .00        | .00        | 1496. |
| 10    | 12.90 | 31.43 | 10    | 23.68      | 422.9 | .42        | .02        | 1496. |
| 20    | 12.88 | 31.44 | 20    | 23.68      | 422.4 | .85        | .09        | 1496. |
| 30    | 12.85 | 31.44 | 30    | 23.69      | 422.1 | 1.27       | .19        | 1496. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.90 | 31.43 | 19.  |       | 12.89 | 31.43 |
| 1.   |       | 12.90 | 31.43 | 20.  |       | 12.88 | 31.44 |
| 2.   |       | 12.90 | 31.43 | 21.  |       | 12.88 | 31.44 |
| 3.   |       | 12.90 | 31.43 | 22.  |       | 12.87 | 31.44 |
| 4.   |       | 12.90 | 31.43 | 23.  |       | 12.87 | 31.44 |
| 5.   |       | 12.90 | 31.43 | 24.  |       | 12.86 | 31.44 |
| 6.   |       | 12.90 | 31.43 | 25.  |       | 12.85 | 31.44 |
| 7.   |       | 12.90 | 31.43 | 26.  |       | 12.85 | 31.44 |
| 8.   |       | 12.90 | 31.43 | 27.  |       | 12.86 | 31.43 |
| 9.   |       | 12.90 | 31.43 | 28.  |       | 12.85 | 31.44 |
| 10.  |       | 12.90 | 31.43 | 29.  |       | 12.85 | 31.44 |
| 11.  |       | 12.90 | 31.43 | 30.  |       | 12.85 | 31.44 |
| 12.  |       | 12.90 | 31.43 | 31.  |       | 12.85 | 31.44 |
| 13.  |       | 12.90 | 31.43 | 32.  |       | 12.85 | 31.44 |
| 14.  |       | 12.90 | 31.43 | 33.  |       | 12.85 | 31.44 |
| 15.  |       | 12.90 | 31.43 | 34.  |       | 12.84 | 31.43 |
| 16.  |       | 12.90 | 31.43 | 35.  |       | 12.84 | 31.43 |
| 17.  |       | 12.90 | 31.43 | 36.  |       | 12.83 | 31.43 |
| 18.  |       | 12.90 | 31.43 |      |       |       |       |

234



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-117

DATE 19/ 9/83

POSITION 53-10.0N, 131-16.0W

21.0

STATION W13

RESULTS OF STP CAST

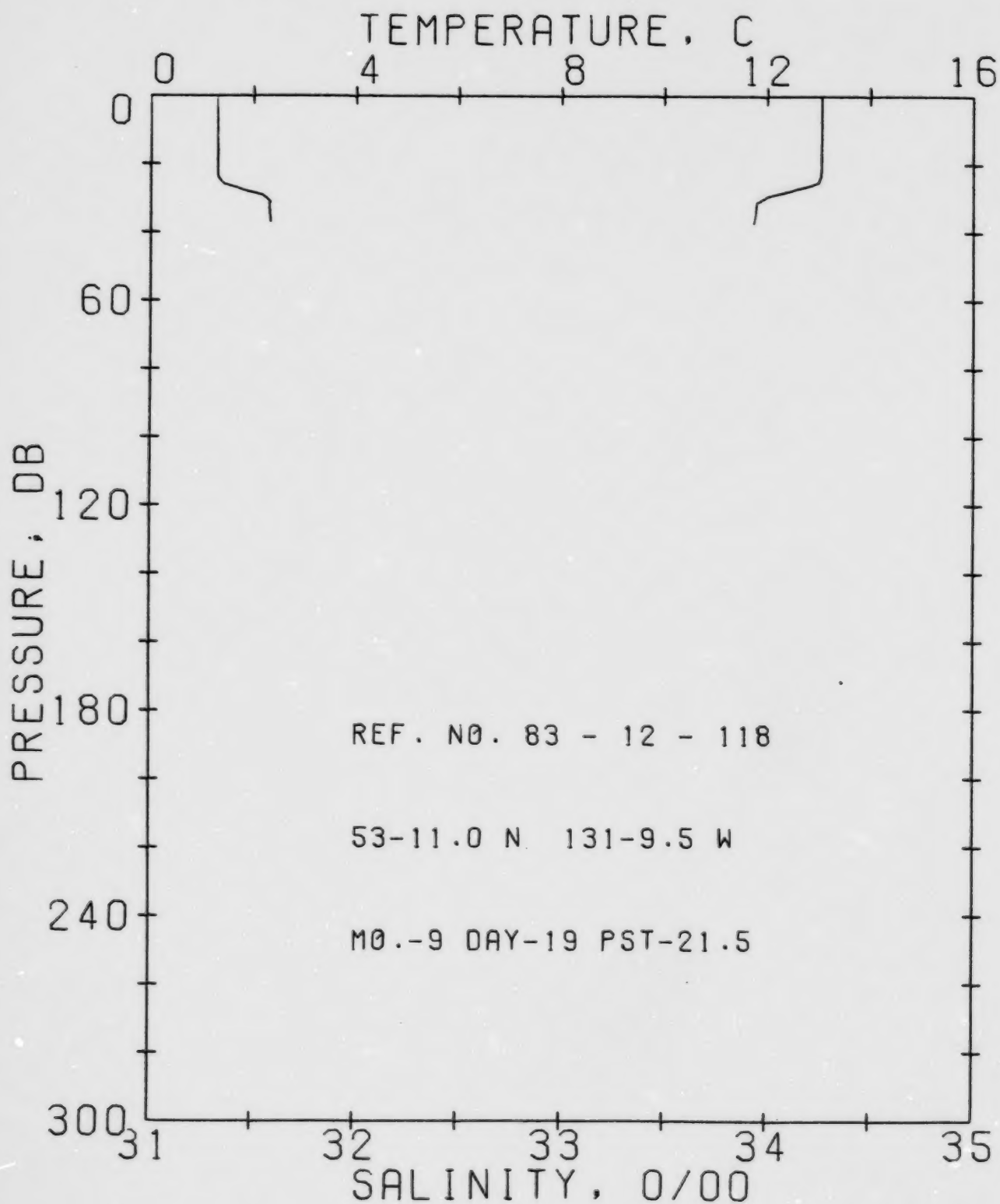
38 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.89 | 31.32 | 0     | 23.59      | 430.9 | .00        | .00        | 1496. |
| 10    | 12.82 | 31.33 | 10    | 23.62      | 428.8 | .43        | .02        | 1496. |
| 20    | 12.44 | 31.46 | 20    | 23.79      | 412.7 | .86        | .09        | 1495. |
| 30    | 12.04 | 31.57 | 30    | 23.95      | 397.8 | 1.26       | .19        | 1494. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.89 | 31.32 | 19.  |       | 12.73 | 31.36 |
| 1.   |       | 12.89 | 31.32 | 20.  |       | 12.44 | 31.46 |
| 2.   |       | 12.89 | 31.32 | 21.  |       | 12.24 | 31.52 |
| 3.   |       | 12.85 | 31.33 | 22.  |       | 12.17 | 31.54 |
| 4.   |       | 12.82 | 31.34 | 23.  |       | 12.13 | 31.55 |
| 5.   |       | 12.82 | 31.33 | 24.  |       | 12.08 | 31.56 |
| 6.   |       | 12.82 | 31.33 | 25.  |       | 12.09 | 31.56 |
| 7.   |       | 12.82 | 31.33 | 26.  |       | 12.08 | 31.56 |
| 8.   |       | 12.82 | 31.33 | 27.  |       | 12.07 | 31.56 |
| 9.   |       | 12.82 | 31.33 | 28.  |       | 12.05 | 31.57 |
| 10.  |       | 12.82 | 31.33 | 29.  |       | 12.04 | 31.57 |
| 11.  |       | 12.82 | 31.33 | 30.  |       | 12.04 | 31.57 |
| 12.  |       | 12.82 | 31.33 | 31.  |       | 12.04 | 31.57 |
| 13.  |       | 12.82 | 31.33 | 32.  |       | 12.04 | 31.57 |
| 14.  |       | 12.82 | 31.33 | 33.  |       | 12.03 | 31.57 |
| 15.  |       | 12.82 | 31.33 | 34.  |       | 12.03 | 31.57 |
| 16.  |       | 12.82 | 31.33 | 35.  |       | 12.02 | 31.57 |
| 17.  |       | 12.79 | 31.35 | 36.  |       | 12.02 | 31.57 |
| 18.  |       | 12.76 | 31.34 | 37.  |       | 12.02 | 31.57 |

236



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-118

DATE 19/ 9/83

POSITION 53-11.0N, 131- 9.5W

21.5

STATION W12

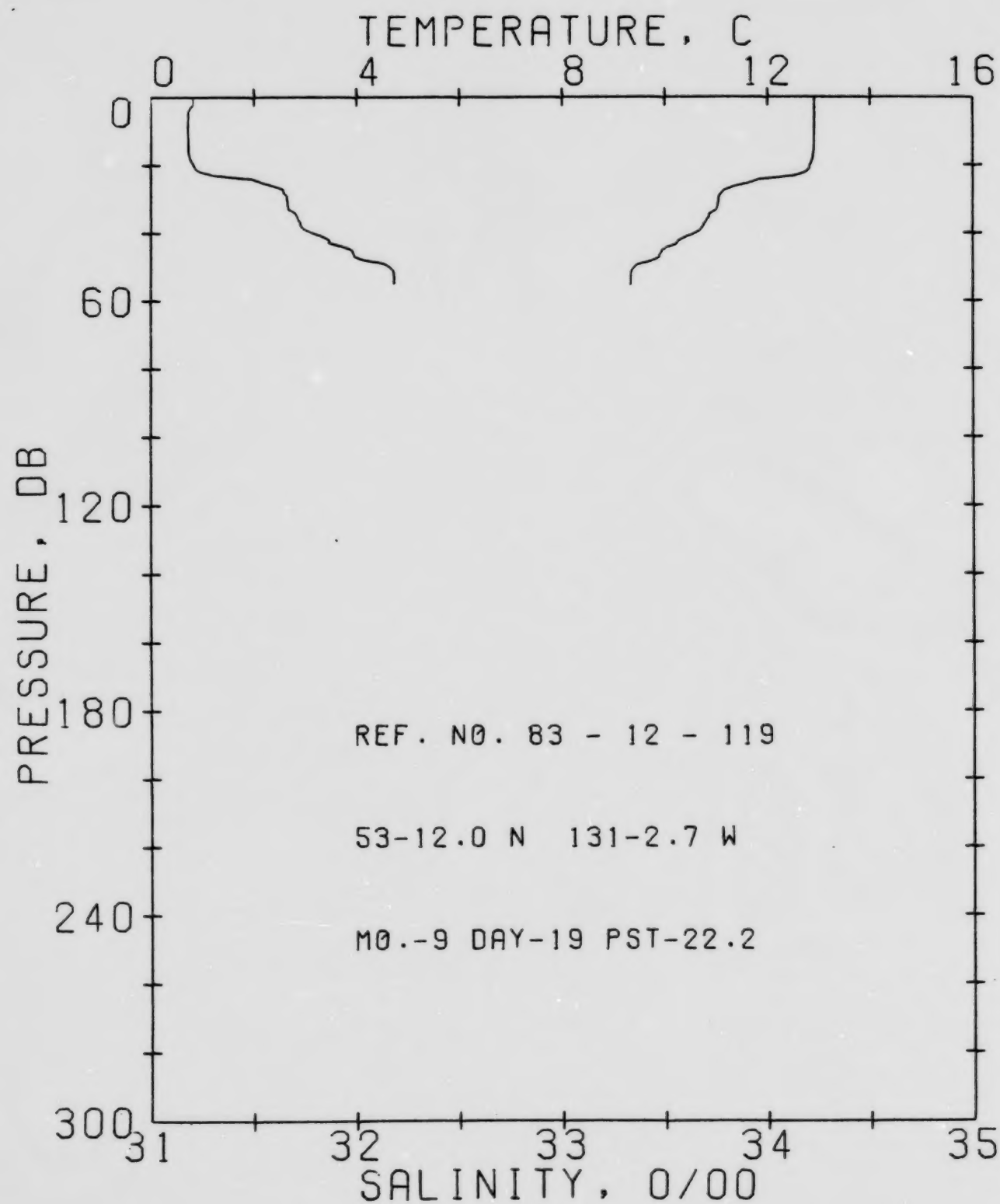
RESULTS OF STP CAST 38 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.06 | 31.32 | 0     | 23.56      | 433.8 | .00        | .00        | 1497. |
| 10    | 13.06 | 31.32 | 10    | 23.56      | 433.9 | .43        | .02        | 1497. |
| 20    | 13.06 | 31.32 | 20    | 23.56      | 434.0 | .87        | .09        | 1497. |
| 30    | 11.93 | 31.56 | 30    | 23.96      | 396.4 | 1.29       | .20        | 1493. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.06 | 31.32 | 19.  |       | 13.05 | 31.32 |
| 1.   |       | 13.06 | 31.32 | 20.  |       | 13.06 | 31.32 |
| 2.   |       | 13.06 | 31.32 | 21.  |       | 13.06 | 31.32 |
| 3.   |       | 13.06 | 31.32 | 22.  |       | 13.06 | 31.32 |
| 4.   |       | 13.06 | 31.32 | 23.  |       | 13.06 | 31.32 |
| 5.   |       | 13.06 | 31.32 | 24.  |       | 13.03 | 31.33 |
| 6.   |       | 13.06 | 31.32 | 25.  |       | 13.01 | 31.34 |
| 7.   |       | 13.06 | 31.32 | 26.  |       | 12.85 | 31.36 |
| 8.   |       | 13.06 | 31.32 | 27.  |       | 12.58 | 31.42 |
| 9.   |       | 13.06 | 31.32 | 28.  |       | 12.35 | 31.46 |
| 10.  |       | 13.06 | 31.32 | 29.  |       | 12.04 | 31.54 |
| 11.  |       | 13.06 | 31.32 | 30.  |       | 11.93 | 31.56 |
| 12.  |       | 13.06 | 31.32 | 31.  |       | 11.80 | 31.58 |
| 13.  |       | 13.06 | 31.32 | 32.  |       | 11.78 | 31.57 |
| 14.  |       | 13.06 | 31.32 | 33.  |       | 11.78 | 31.57 |
| 15.  |       | 13.06 | 31.33 | 34.  |       | 11.78 | 31.58 |
| 16.  |       | 13.06 | 31.33 | 35.  |       | 11.77 | 31.58 |
| 17.  |       | 13.06 | 31.32 | 36.  |       | 11.76 | 31.58 |
| 18.  |       | 13.06 | 31.32 | 37.  |       | 11.74 | 31.58 |

238



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-119

DATE 19/ 9/83

POSITION 53-12.0N, 131- 2.7W

22.2

STATION W11

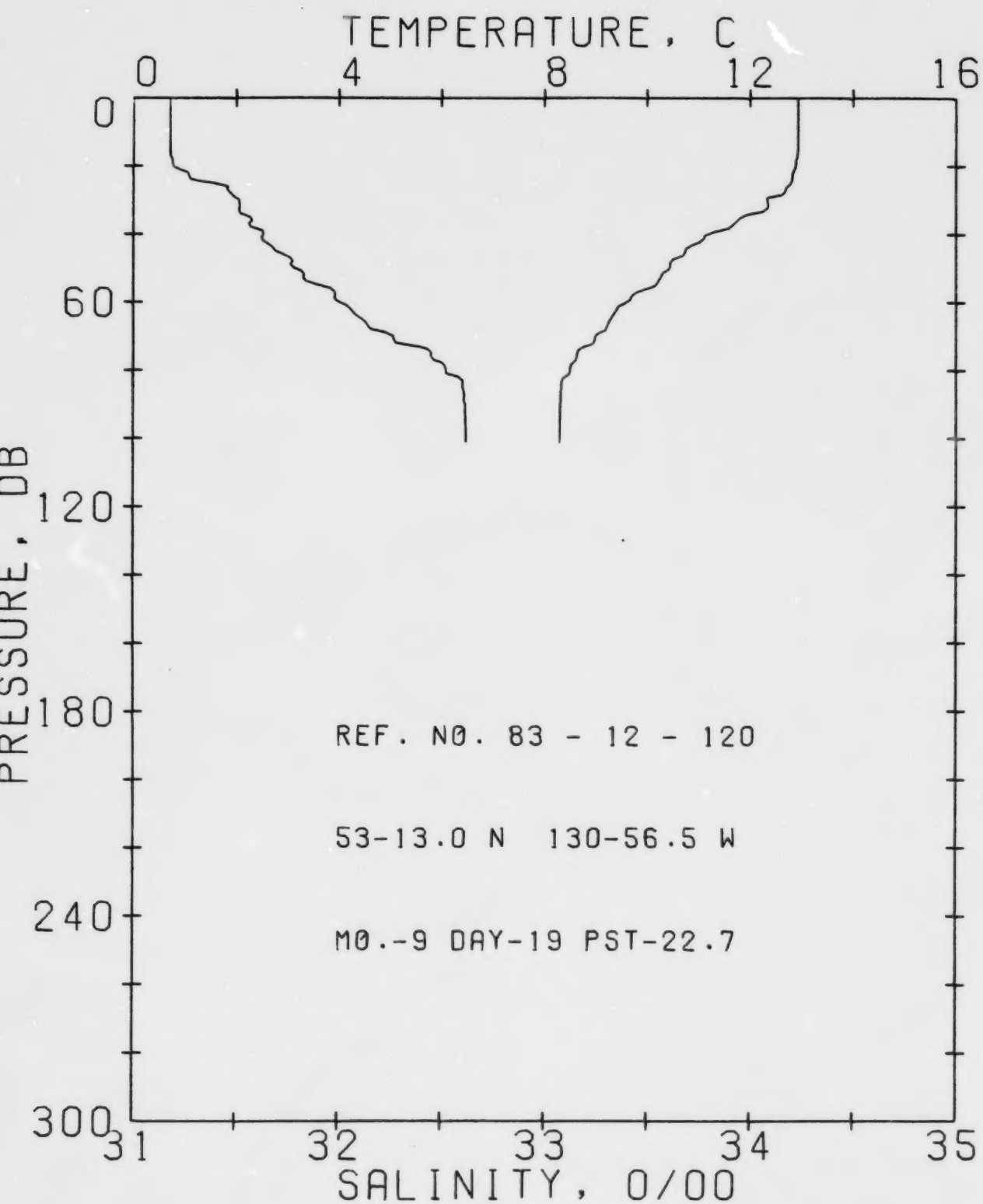
RESULTS OF STP CAST 56 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.92 | 31.21 | 0     | 23.50      | 439.7 | .00        | .00        | 1496. |
| 10    | 12.92 | 31.18 | 10    | 23.48      | 441.9 | .44        | .02        | 1496. |
| 20    | 12.84 | 31.21 | 20    | 23.52      | 438.3 | .88        | .09        | 1496. |
| 30    | 11.05 | 31.66 | 30    | 24.20      | 373.7 | 1.28       | .19        | 1490. |
| 50    | 9.40  | 32.16 | 50    | 24.86      | 310.9 | 1.99       | .48        | 1485. |



240



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-120

DATE 19/ 9/83

POSITION 53-13.0N, 130-56.5W

22.7

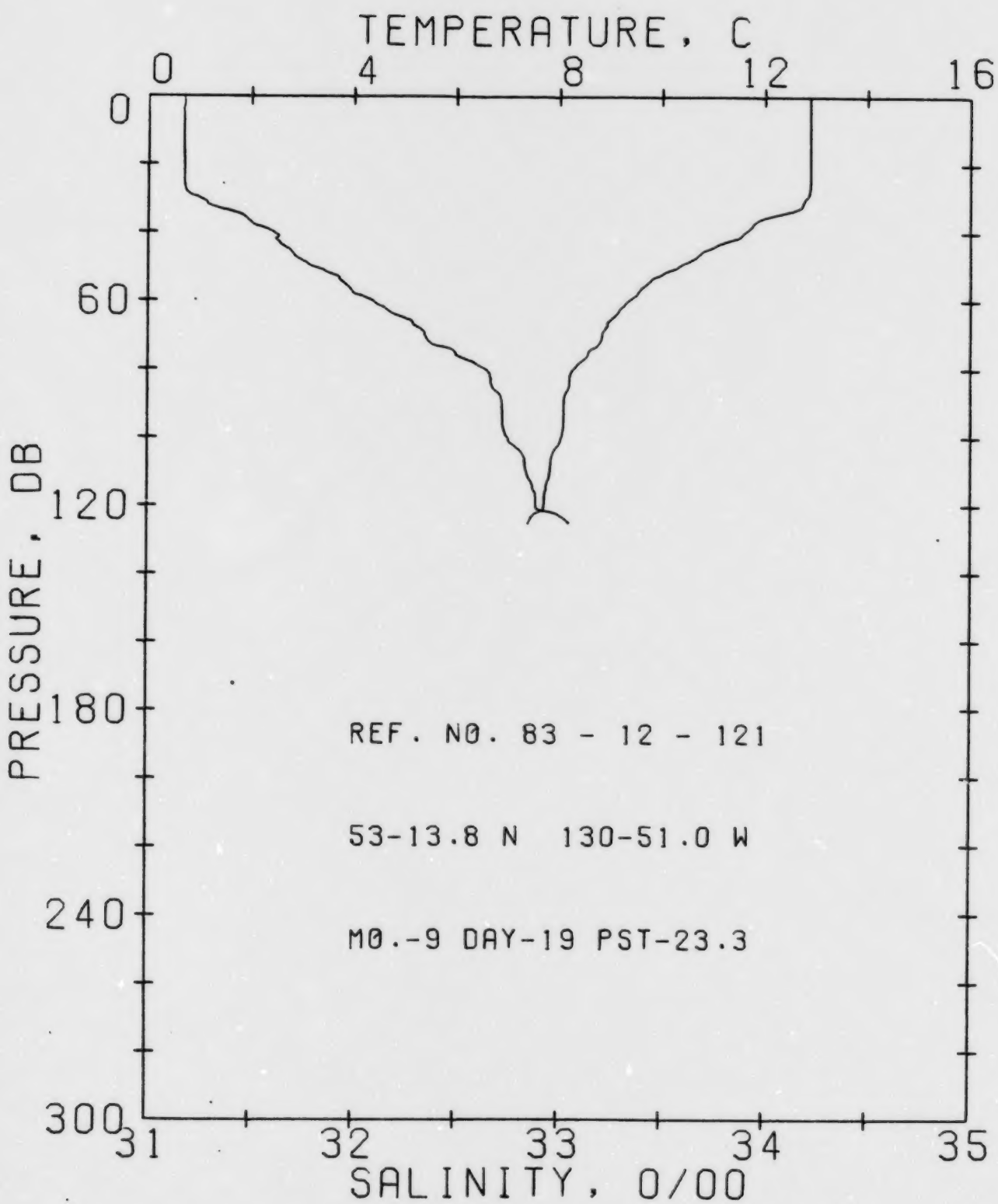
STATION W10

RESULTS OF STP CAST 102 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.93 | 31.18 | 0     | 23.48      | 442.0 | .00        | .00        | 1496. |
| 10    | 12.93 | 31.18 | 10    | 23.47      | 442.3 | .44        | .02        | 1496. |
| 20    | 12.89 | 31.19 | 20    | 23.49      | 440.7 | .88        | .09        | 1496. |
| 30    | 12.34 | 31.51 | 30    | 23.85      | 407.0 | 1.31       | .20        | 1495. |
| 50    | 10.43 | 31.78 | 50    | 24.39      | 355.2 | 2.07       | .51        | 1489. |
| 75    | 8.63  | 32.45 | 75    | 25.21      | 278.3 | 2.87       | 1.01       | 1483. |
| 100   | 8.29  | 32.62 | 99    | 25.38      | 261.6 | 3.53       | 1.60       | 1483. |

242



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-121

DATE 19/ 9/83

POSITION 53-13.8N, 130-51.0W

23.3

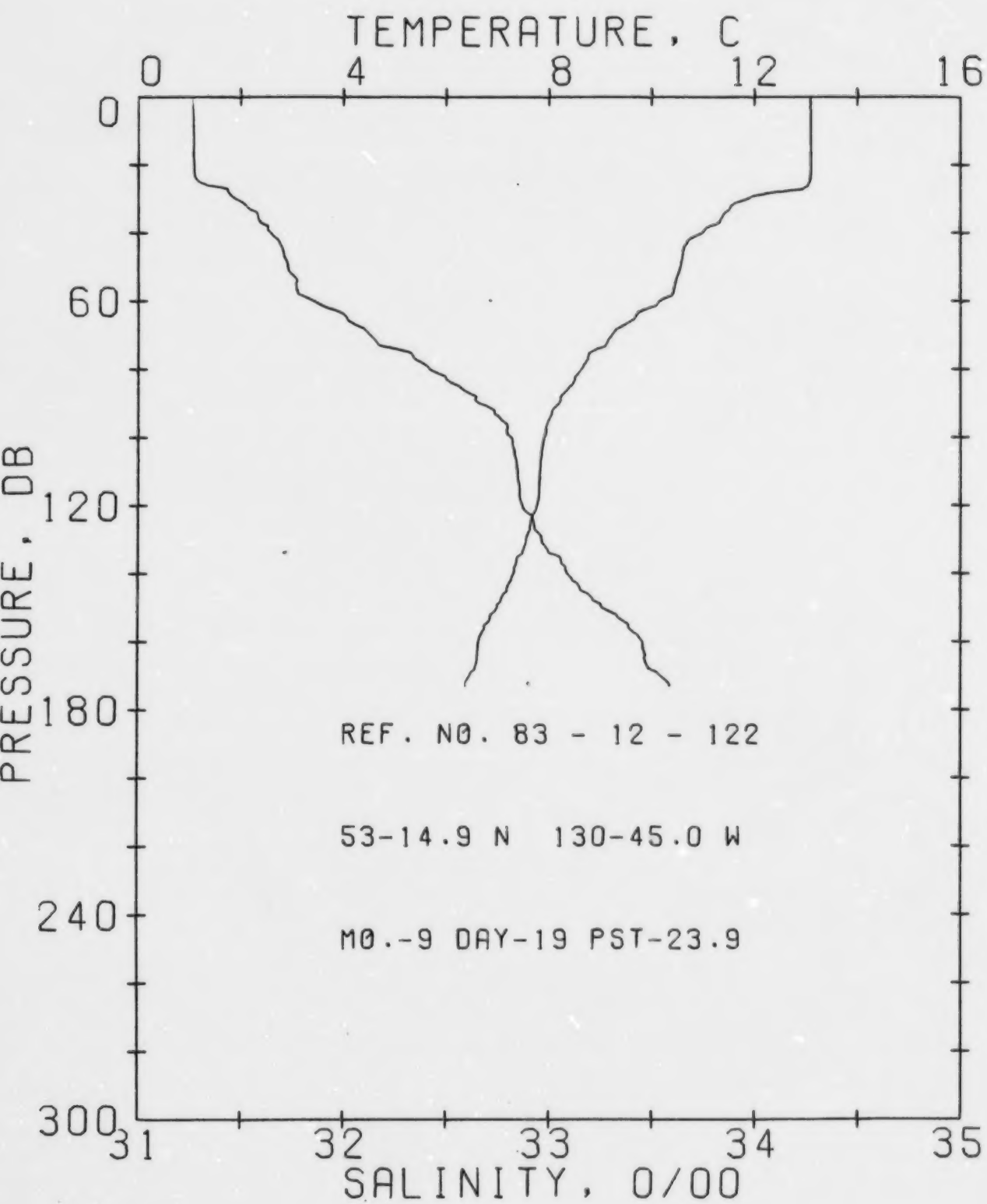
STATION W 9

RESULTS OF STP CAST 126 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.89 | 31.17 | 0     | 23.48      | 441.4 | .00        | .00        | 1496. |
| 10    | 12.89 | 31.17 | 10    | 23.48      | 441.9 | .44        | .02        | 1496. |
| 20    | 12.89 | 31.17 | 20    | 23.48      | 442.0 | .88        | .09        | 1496. |
| 30    | 12.79 | 31.25 | 30    | 23.56      | 434.8 | 1.33       | .20        | 1496. |
| 50    | 10.30 | 31.79 | 50    | 24.43      | 352.2 | 2.11       | .52        | 1488. |
| 75    | 8.56  | 32.49 | 75    | 25.25      | 274.1 | 2.88       | 1.01       | 1483. |
| 100   | 8.03  | 32.75 | 99    | 25.53      | 248.0 | 3.52       | 1.57       | 1482. |
| 125   | 7.39  | 33.05 | 124   | 25.85      | 217.6 | 4.11       | 2.25       | 1480. |

244



245

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-122

DATE 19/ 9/83

POSITION 53-14.9N, 130-45.0W

23.9

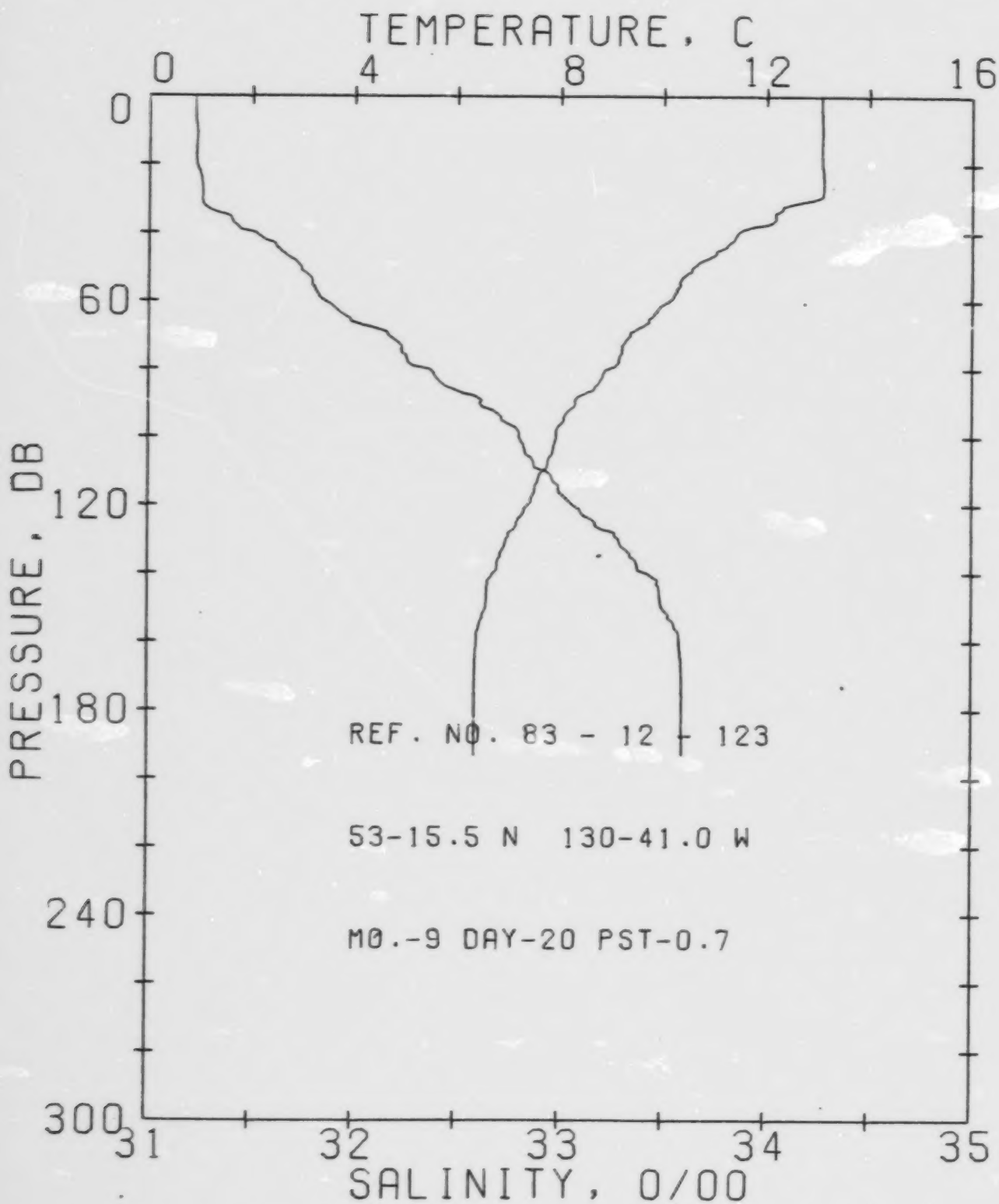
STATION W 8

RESULTS OF STP CAST 174 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.10 | 31.27 | 0     | 23.51      | 438.5 | .00        | .00        | 1497. |
| 10    | 13.10 | 31.27 | 10    | 23.51      | 438.6 | .44        | .02        | 1497. |
| 20    | 13.10 | 31.27 | 20    | 23.51      | 438.7 | .88        | .09        | 1497. |
| 30    | 11.85 | 31.47 | 30    | 23.91      | 401.6 | 1.31       | .20        | 1493. |
| 50    | 10.56 | 31.73 | 50    | 24.33      | 361.1 | 2.06       | .50        | 1489. |
| 75    | 8.78  | 32.33 | 75    | 25.09      | 289.6 | 2.89       | 1.03       | 1484. |
| 100   | 7.91  | 32.82 | 99    | 25.60      | 241.3 | 3.55       | 1.61       | 1481. |
| 125   | 7.64  | 32.93 | 124   | 25.72      | 229.8 | 4.14       | 2.29       | 1481. |
| 150   | 7.00  | 33.26 | 149   | 26.07      | 197.1 | 4.68       | 3.05       | 1479. |
| 175   | 6.34  | 33.60 | 174   | 26.42      | 163.7 | 5.13       | 3.79       | 1477. |

246



247

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-123

DATE 20/ 9/83

POSITION 53-15.5N, 130-41.0W

.7

STATION W 7

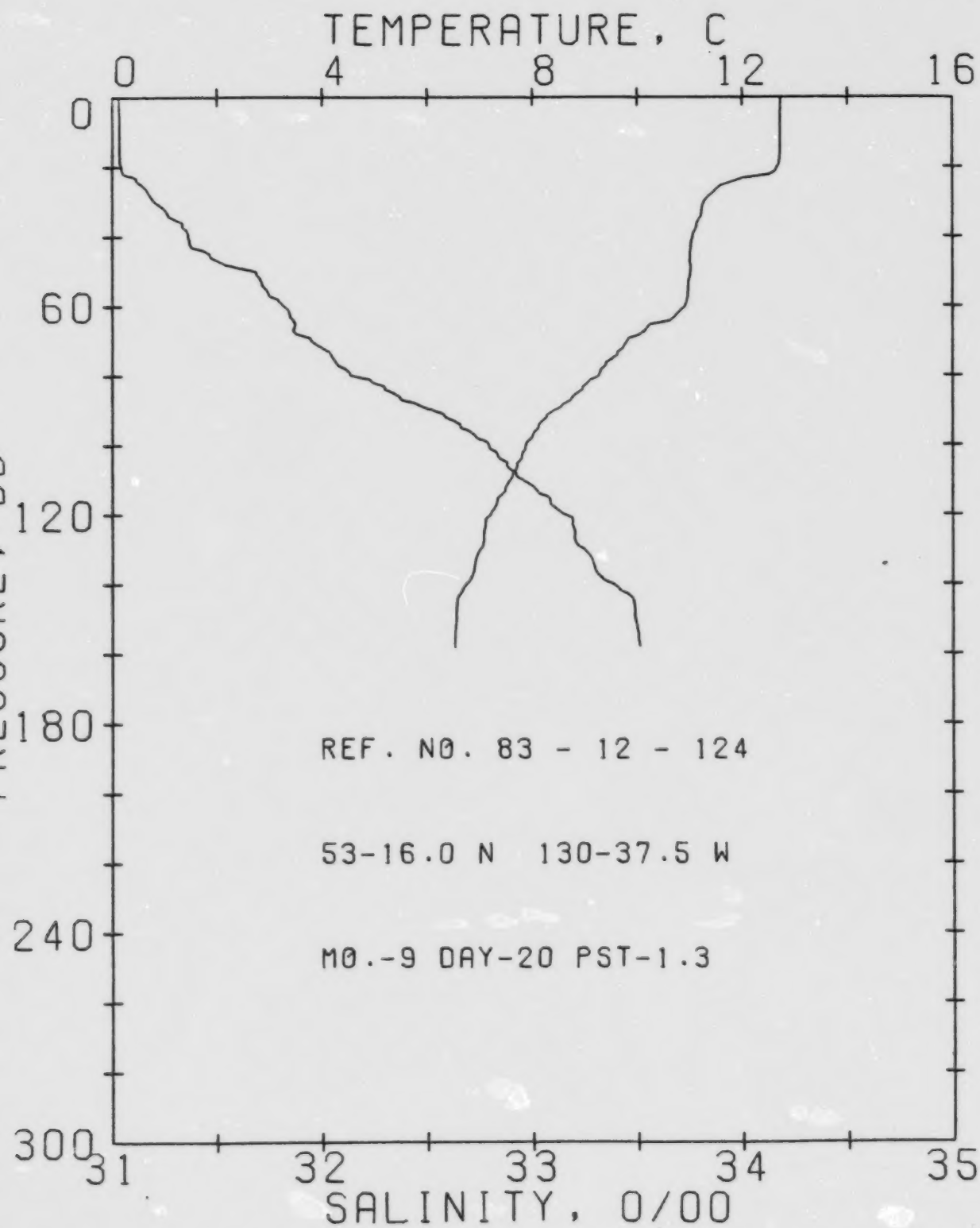
RESULTS OF STP CAST 194 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.07 | 31.22 | 0     | 23.48      | 441.2 | .00        | .00        | 1496. |
| 10    | 13.08 | 31.23 | 10    | 23.49      | 441.2 | .44        | .02        | 1497. |
| 20    | 13.08 | 31.23 | 20    | 23.49      | 441.4 | .88        | .09        | 1497. |
| 30    | 12.94 | 31.25 | 30    | 23.53      | 437.3 | 1.32       | .20        | 1496. |
| 50    | 10.57 | 31.74 | 50    | 24.34      | 360.4 | 2.11       | .52        | 1489. |
| 75    | 9.20  | 32.23 | 75    | 24.94      | 303.3 | 2.95       | 1.05       | 1485. |
| 100   | 7.93  | 32.80 | 99    | 25.58      | 243.0 | 3.62       | 1.65       | 1481. |
| 125   | 7.16  | 33.17 | 124   | 25.98      | 205.2 | 4.19       | 2.30       | 1479. |
| 150   | 6.58  | 33.49 | 149   | 26.31      | 173.8 | 4.65       | 2.94       | 1478. |
| 175   | 6.36  | 33.59 | 174   | 26.42      | 164.1 | 5.07       | 3.63       | 1478. |



248



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-124

DATE 20/ 9/83

POSITION 53-16.0N, 130-37.5W

1.3

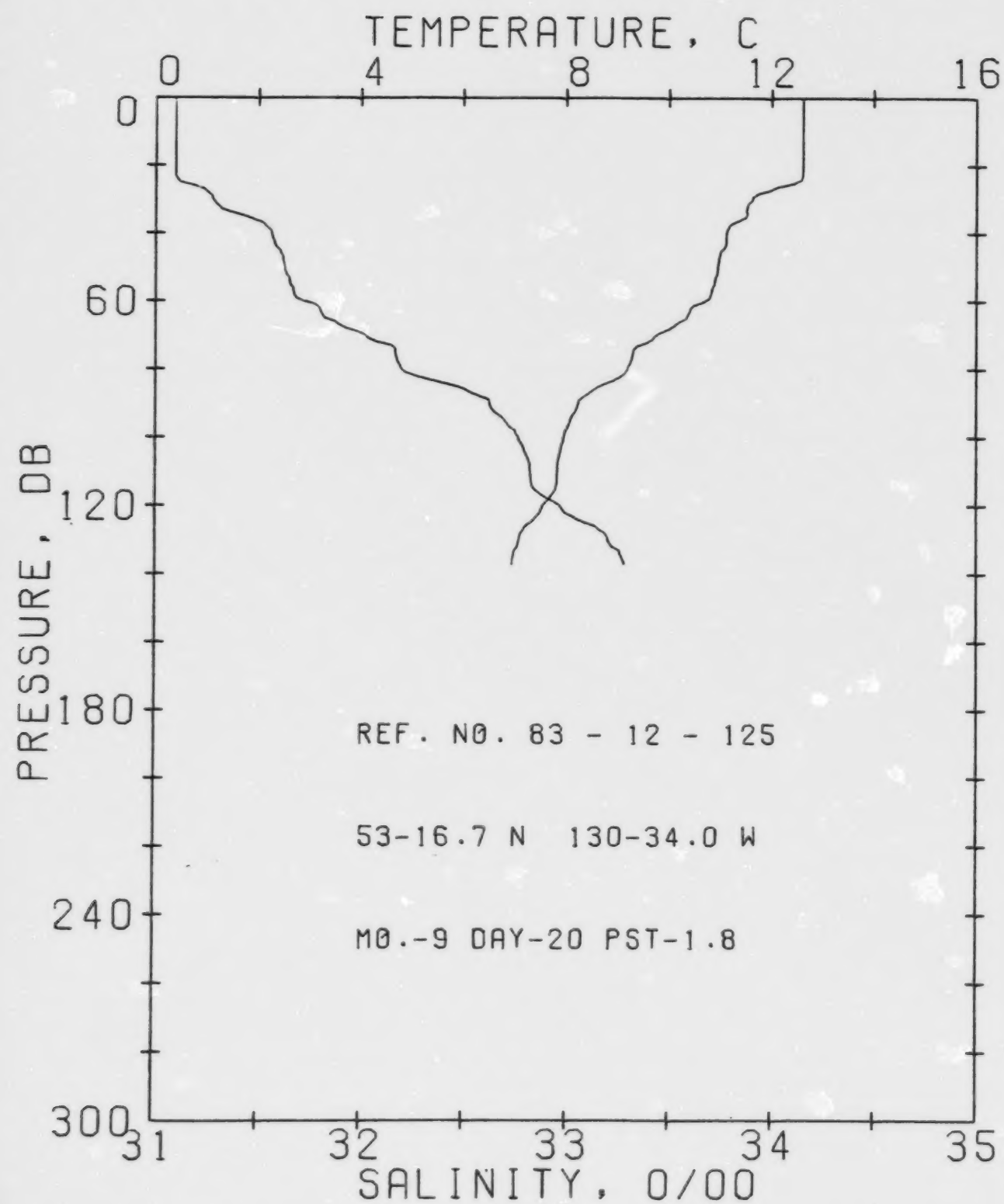
STATION W 6

RESULTS OF STP CAST 159 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.74 | 31.03 | 0     | 23.40      | 449.2 | .00        | .00        | 1495. |
| 10    | 12.73 | 31.03 | 10    | 23.40      | 449.1 | .45        | .02        | 1495. |
| 20    | 12.67 | 31.04 | 20    | 23.42      | 447.5 | .90        | .09        | 1495. |
| 30    | 11.27 | 31.20 | 30    | 23.80      | 411.5 | 1.32       | .20        | 1491. |
| 50    | 11.01 | 31.68 | 50    | 24.22      | 372.0 | 2.12       | .52        | 1491. |
| 75    | 9.52  | 32.05 | 75    | 24.76      | 321.1 | 2.99       | 1.08       | 1486. |
| 100   | 7.88  | 32.80 | 99    | 25.58      | 242.6 | 3.70       | 1.70       | 1481. |
| 125   | 7.08  | 33.20 | 124   | 26.02      | 201.7 | 4.25       | 2.33       | 1479. |
| 150   | 6.55  | 33.49 | 149   | 26.31      | 174.0 | 4.72       | 2.99       | 1478. |

250



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-125

DATE 20/ 9/83

POSITION 53-16.7N, 130-34.0W

1.8

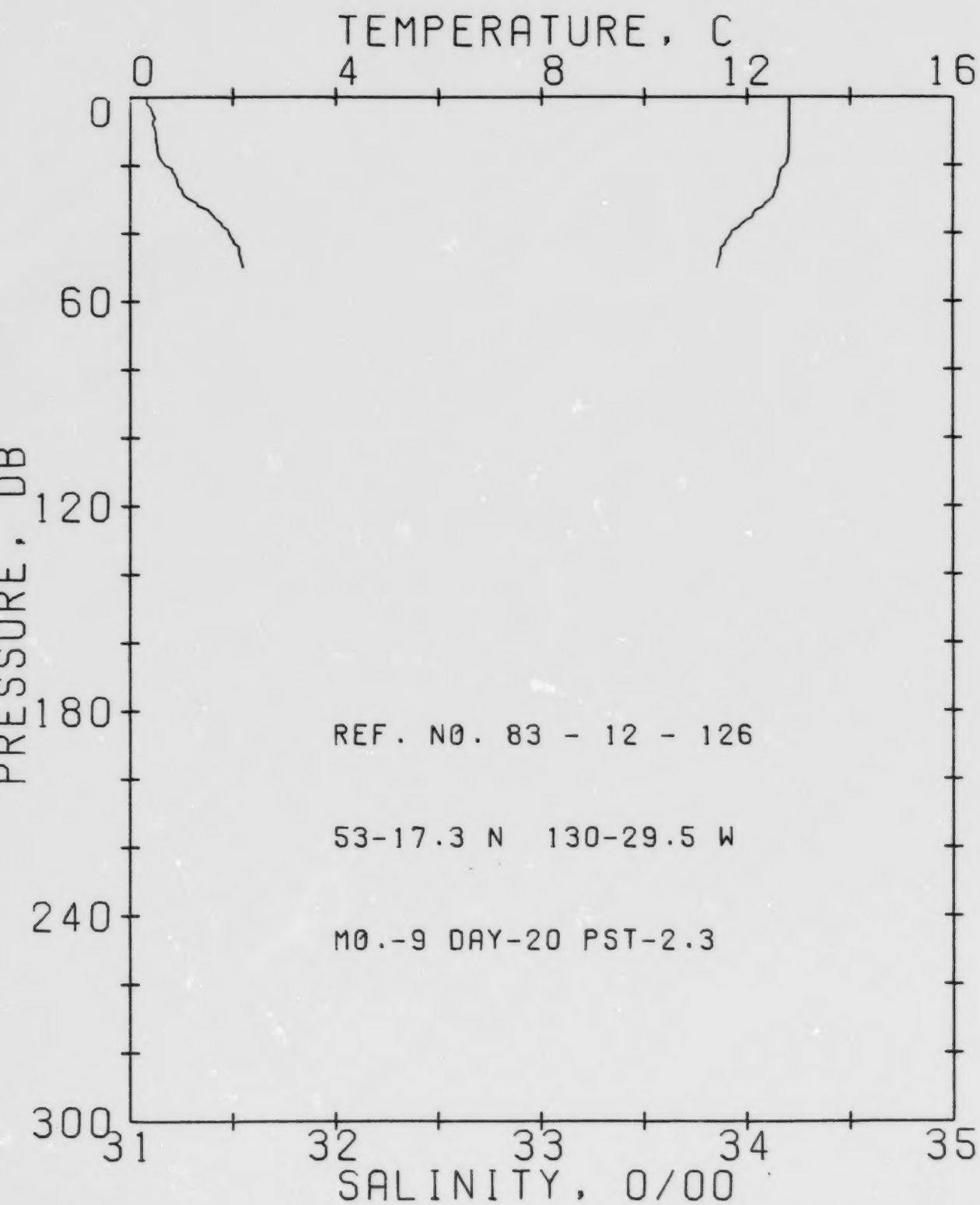
STATION W 5

RESULTS OF STP CAST 138 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.62 | 31.10 | 0     | 23.47      | 442.3 | .00        | .00        | 1495. |
| 10    | 12.62 | 31.10 | 10    | 23.47      | 442.5 | .44        | .02        | 1495. |
| 20    | 12.62 | 31.10 | 20    | 23.47      | 442.7 | .89        | .09        | 1495. |
| 30    | 11.63 | 31.28 | 30    | 23.79      | 412.1 | 1.32       | .20        | 1492. |
| 50    | 10.96 | 31.63 | 50    | 24.19      | 375.1 | 2.09       | .51        | 1490. |
| 75    | 9.31  | 32.17 | 75    | 24.88      | 309.5 | 2.97       | 1.07       | 1485. |
| 100   | 7.95  | 32.77 | 99    | 25.56      | 245.3 | 3.66       | 1.68       | 1481. |
| 125   | 7.29  | 33.10 | 124   | 25.91      | 212.2 | 4.24       | 2.35       | 1480. |

252



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-126

DATE 20/ 9/83

POSITION 53-17.3N, 130-29.5W

2.3

STATION W 4

RESULTS OF STP CAST

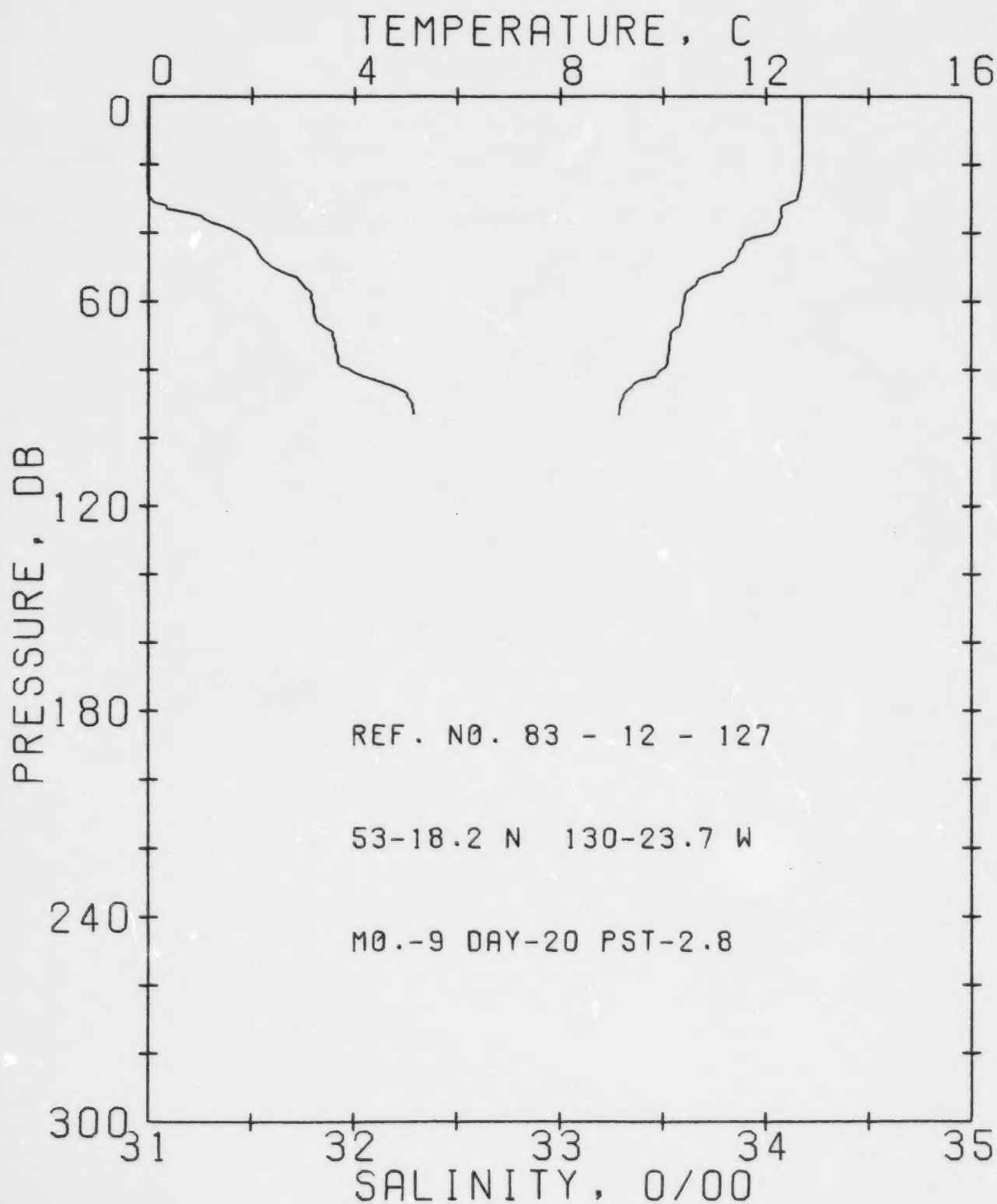
51 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.82 | 31.08 | 0     | 23.42      | 447.1 | .00        | .00        | 1495. |
| 10    | 12.82 | 31.12 | 10    | 23.46      | 444.1 | .45        | .02        | 1496. |
| 20    | 12.74 | 31.17 | 20    | 23.51      | 439.2 | .89        | .09        | 1496. |
| 30    | 12.45 | 31.29 | 30    | 23.65      | 425.6 | 1.32       | .20        | 1495. |
| 50    | 11.42 | 31.55 | 50    | 24.04      | 388.9 | 2.12       | .53        | 1492. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.82 | 31.08 | 26.  |       | 12.60 | 31.23 |
| 1.   |       | 12.82 | 31.08 | 27.  |       | 12.56 | 31.25 |
| 2.   |       | 12.82 | 31.08 | 28.  |       | 12.54 | 31.26 |
| 3.   |       | 12.82 | 31.10 | 29.  |       | 12.52 | 31.27 |
| 4.   |       | 12.82 | 31.11 | 30.  |       | 12.45 | 31.29 |
| 5.   |       | 12.82 | 31.11 | 31.  |       | 12.36 | 31.33 |
| 6.   |       | 12.82 | 31.12 | 32.  |       | 12.33 | 31.33 |
| 7.   |       | 12.82 | 31.11 | 33.  |       | 12.17 | 31.38 |
| 8.   |       | 12.82 | 31.11 | 34.  |       | 12.13 | 31.39 |
| 9.   |       | 12.82 | 31.12 | 35.  |       | 12.12 | 31.41 |
| 10.  |       | 12.82 | 31.12 | 36.  |       | 12.00 | 31.42 |
| 11.  |       | 12.82 | 31.13 | 37.  |       | 11.91 | 31.45 |
| 12.  |       | 12.82 | 31.13 | 38.  |       | 11.85 | 31.45 |
| 13.  |       | 12.82 | 31.13 | 39.  |       | 11.72 | 31.48 |
| 14.  |       | 12.82 | 31.13 | 40.  |       | 11.70 | 31.48 |
| 15.  |       | 12.82 | 31.13 | 41.  |       | 11.65 | 31.49 |
| 16.  |       | 12.82 | 31.13 | 42.  |       | 11.60 | 31.50 |
| 17.  |       | 12.81 | 31.14 | 43.  |       | 11.58 | 31.51 |
| 18.  |       | 12.80 | 31.15 | 44.  |       | 11.50 | 31.53 |
| 19.  |       | 12.80 | 31.16 | 45.  |       | 11.49 | 31.53 |
| 20.  |       | 12.74 | 31.17 | 46.  |       | 11.49 | 31.53 |
| 21.  |       | 12.65 | 31.21 | 47.  |       | 11.47 | 31.54 |
| 22.  |       | 12.65 | 31.21 | 48.  |       | 11.45 | 31.54 |
| 23.  |       | 12.62 | 31.22 | 49.  |       | 11.43 | 31.55 |
| 24.  |       | 12.61 | 31.23 | 50.  |       | 11.42 | 31.55 |
| 25.  |       | 12.61 | 31.23 |      |       |       |       |

254



255

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-127

DATE 20/ 9/83

POSITION 53-18.2N, 130-23.7W

2.8

STATION W 3

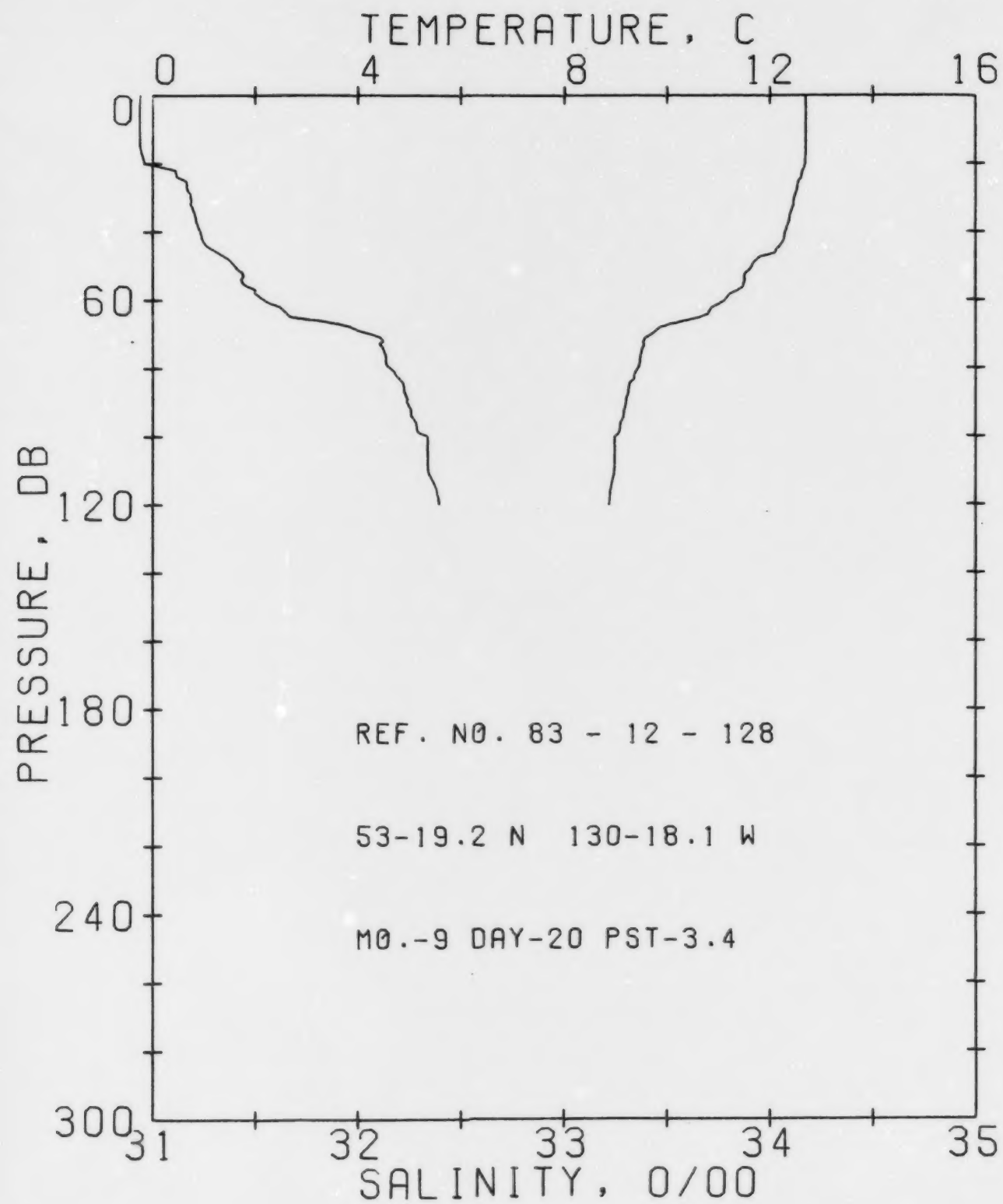
RESULTS OF STP CAST 94 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.71 | 30.99 | 0     | 23.38      | 451.5 | .00        | .00        | 1495. |
| 10    | 12.71 | 30.99 | 10    | 23.37      | 451.8 | .45        | .02        | 1495. |
| 20    | 12.71 | 30.99 | 20    | 23.38      | 451.9 | .90        | .09        | 1495. |
| 30    | 12.63 | 31.01 | 30    | 23.41      | 449.3 | 1.35       | .21        | 1495. |
| 50    | 11.16 | 31.60 | 50    | 24.13      | 380.6 | 2.18       | .54        | 1491. |
| 75    | 10.11 | 31.91 | 75    | 24.55      | 340.8 | 3.06       | 1.10       | 1488. |



256



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-128

DATE 20/ 9/83

POSITION 53-19.2N, 130-18.1W

3.4

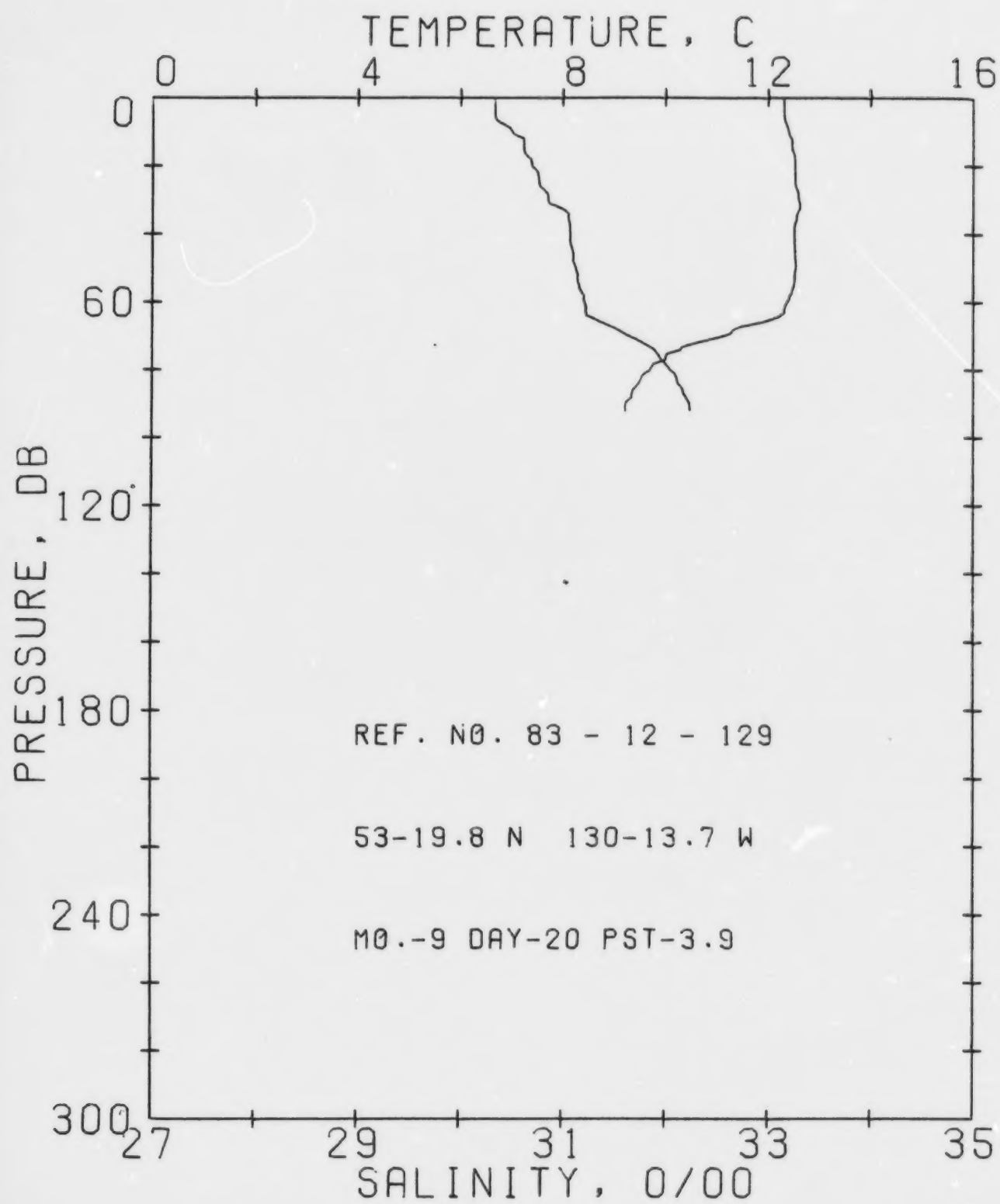
STATION W 2

RESULTS OF STP CAST 121 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.70 | 30.94 | 0     | 23.34      | 455.3 | .00        | .00        | 1495. |
| 10    | 12.70 | 30.94 | 10    | 23.33      | 455.7 | .46        | .02        | 1495. |
| 20    | 12.70 | 30.96 | 20    | 23.35      | 454.1 | .91        | .09        | 1495. |
| 30    | 12.47 | 31.19 | 30    | 23.57      | 433.7 | 1.35       | .20        | 1495. |
| 50    | 11.65 | 31.40 | 50    | 23.89      | 403.8 | 2.20       | .55        | 1493. |
| 75    | 9.50  | 32.13 | 75    | 24.82      | 315.4 | 3.11       | 1.12       | 1486. |
| 100   | 8.98  | 32.34 | 99    | 25.06      | 292.3 | 3.87       | 1.80       | 1485. |

258



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-129

DATE 20/ 9/83

POSITION 53-19.8N, 130-13.7W

3.9

STATION W 1

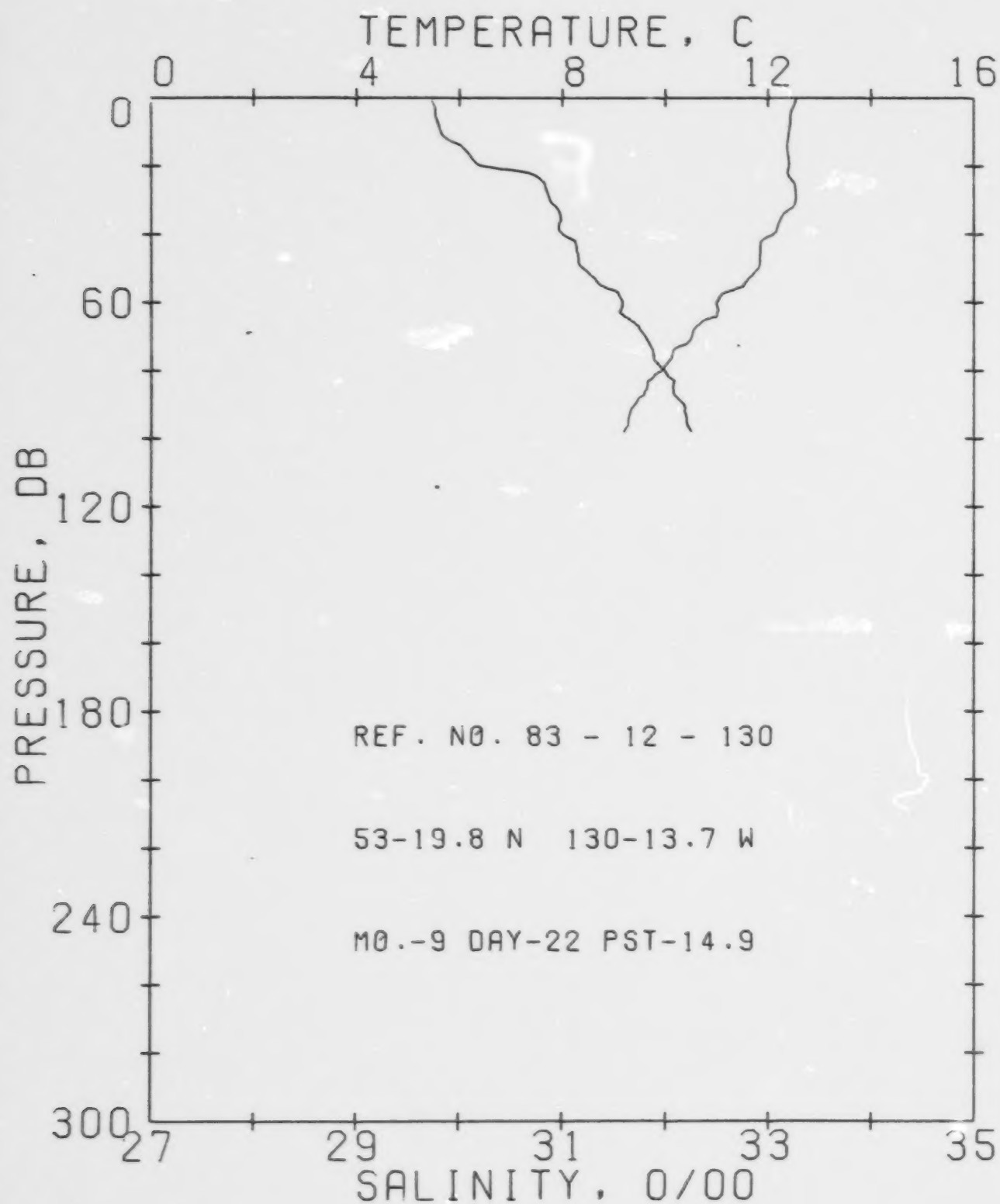
RESULTS OF STP CAST

93 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.31 | 30.34 | 0     | 22.95      | 492.5 | .00        | .00        | 1493. |
| 10    | 12.39 | 30.51 | 10    | 23.06      | 481.6 | .49        | .02        | 1493. |
| 20    | 12.52 | 30.70 | 20    | 23.18      | 470.2 | .96        | .10        | 1494. |
| 30    | 12.59 | 30.86 | 30    | 23.29      | 460.2 | 1.43       | .22        | 1495. |
| 50    | 12.54 | 31.13 | 50    | 23.51      | 439.7 | 2.32       | .58        | 1495. |
| 75    | 10.03 | 31.91 | 75    | 24.56      | 339.5 | 3.34       | 1.23       | 1488. |

260



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-130

DATE 22/ 9/83

POSITION 53-19.8N, 130-13.7W 14.9

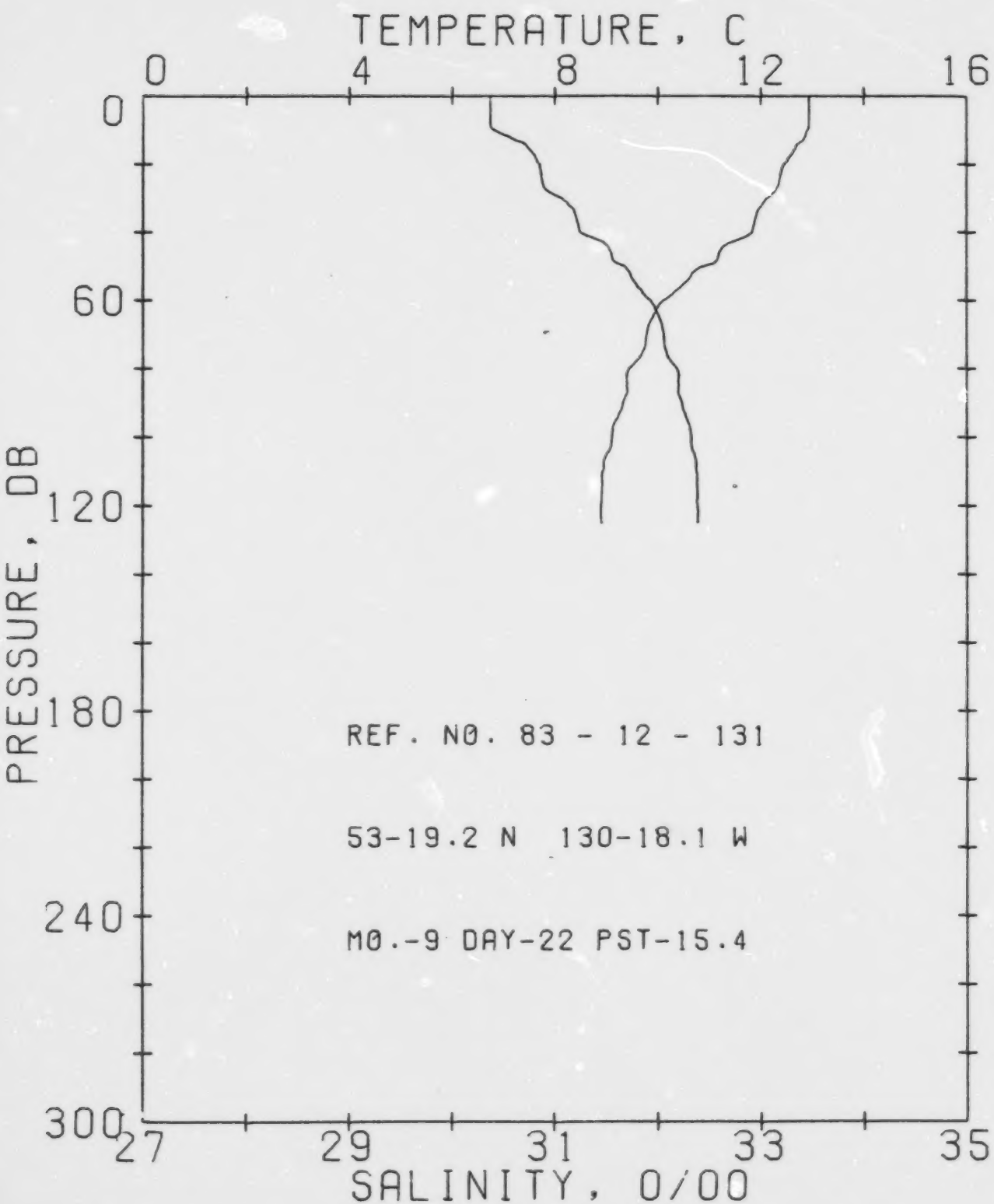
STATION W 1

RESULTS OF STP CAST 99 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.54 | 29.73 | 0     | 22.44      | 541.3 | .00        | .00        | 1493. |
| 10    | 12.41 | 29.82 | 10    | 22.53      | 532.7 | .54        | .03        | 1493. |
| 20    | 12.41 | 30.20 | 20    | 22.82      | 505.2 | 1.05       | .11        | 1493. |
| 30    | 12.54 | 30.88 | 30    | 23.32      | 457.5 | 1.52       | .22        | 1495. |
| 50    | 11.81 | 31.20 | 50    | 23.70      | 421.2 | 2.40       | .58        | 1493. |
| 75    | 10.14 | 31.88 | 75    | 24.52      | 343.5 | 3.34       | 1.18       | 1488. |
| 100   | 9.11  | 32.29 | 100   | 25.01      | 297.6 | 4.14       | 1.88       | 1485. |

262



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-131

DATE 22/ 9/83

POSITION 53-19.2N, 130-18.1W

15.4

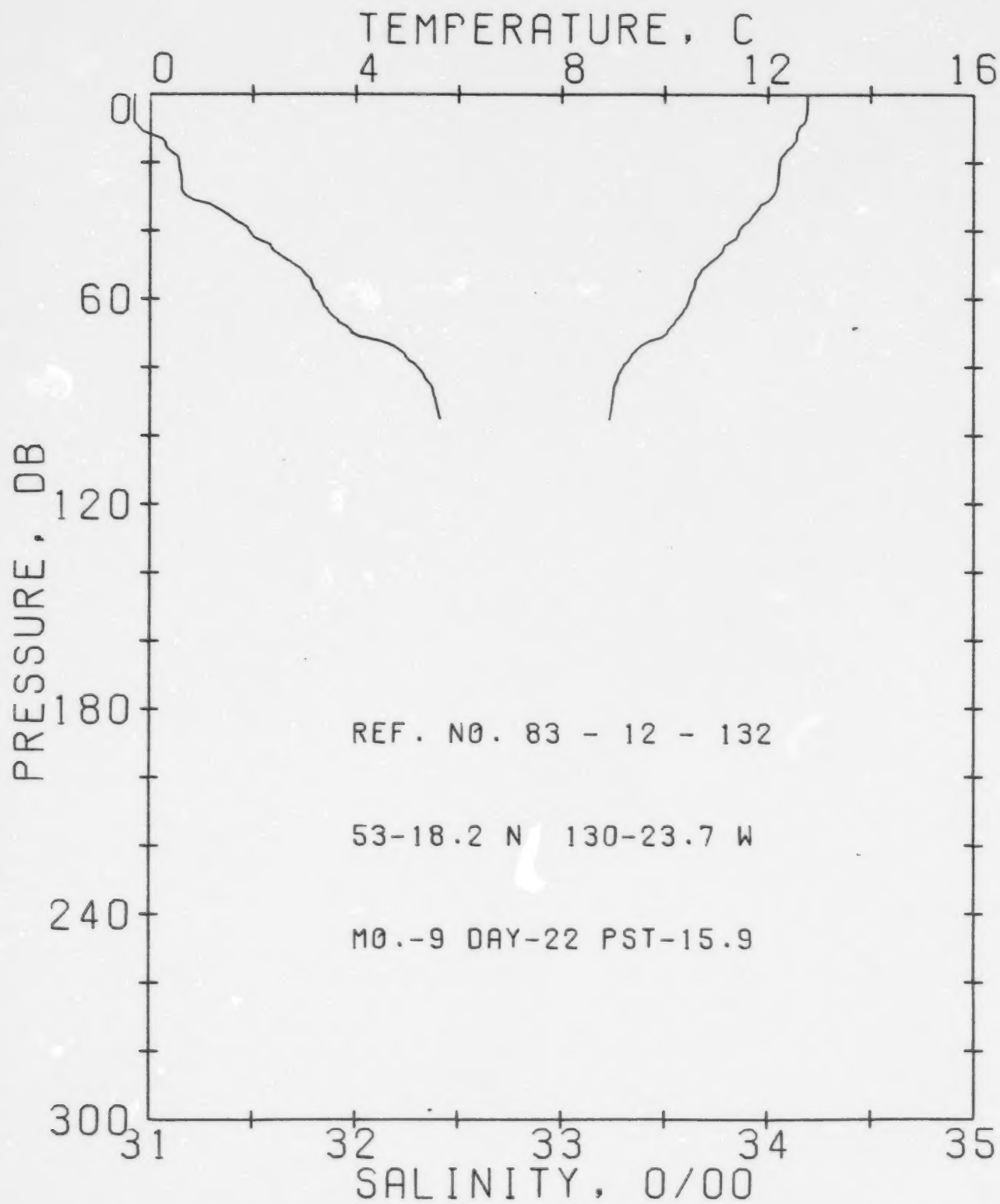
STATION W 2

RESULTS OF STP CAST 126 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.94 | 30.37 | 0     | 22.85      | 501.3 | .00        | .00        | 1495. |
| 10    | 12.91 | 30.42 | 10    | 22.89      | 497.7 | .50        | .03        | 1495. |
| 20    | 12.45 | 30.85 | 20    | 23.32      | 457.6 | .97        | .10        | 1494. |
| 30    | 12.12 | 31.07 | 30    | 23.55      | 435.8 | 1.43       | .21        | 1493. |
| 50    | 10.84 | 31.68 | 50    | 24.24      | 369.6 | 2.24       | .54        | 1490. |
| 75    | 9.71  | 32.08 | 75    | 24.75      | 322.0 | 3.09       | 1.08       | 1487. |
| 100   | 9.10  | 32.32 | 99    | 25.03      | 295.5 | 3.86       | 1.76       | 1485. |
| 125   | 8.89  | 32.38 | 124   | 25.11      | 288.4 | 4.58       | 2.59       | 1485. |





265

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-132

DATE 22/ 9/83

POSITION 53-18.2N, 130-23.7W

15.9

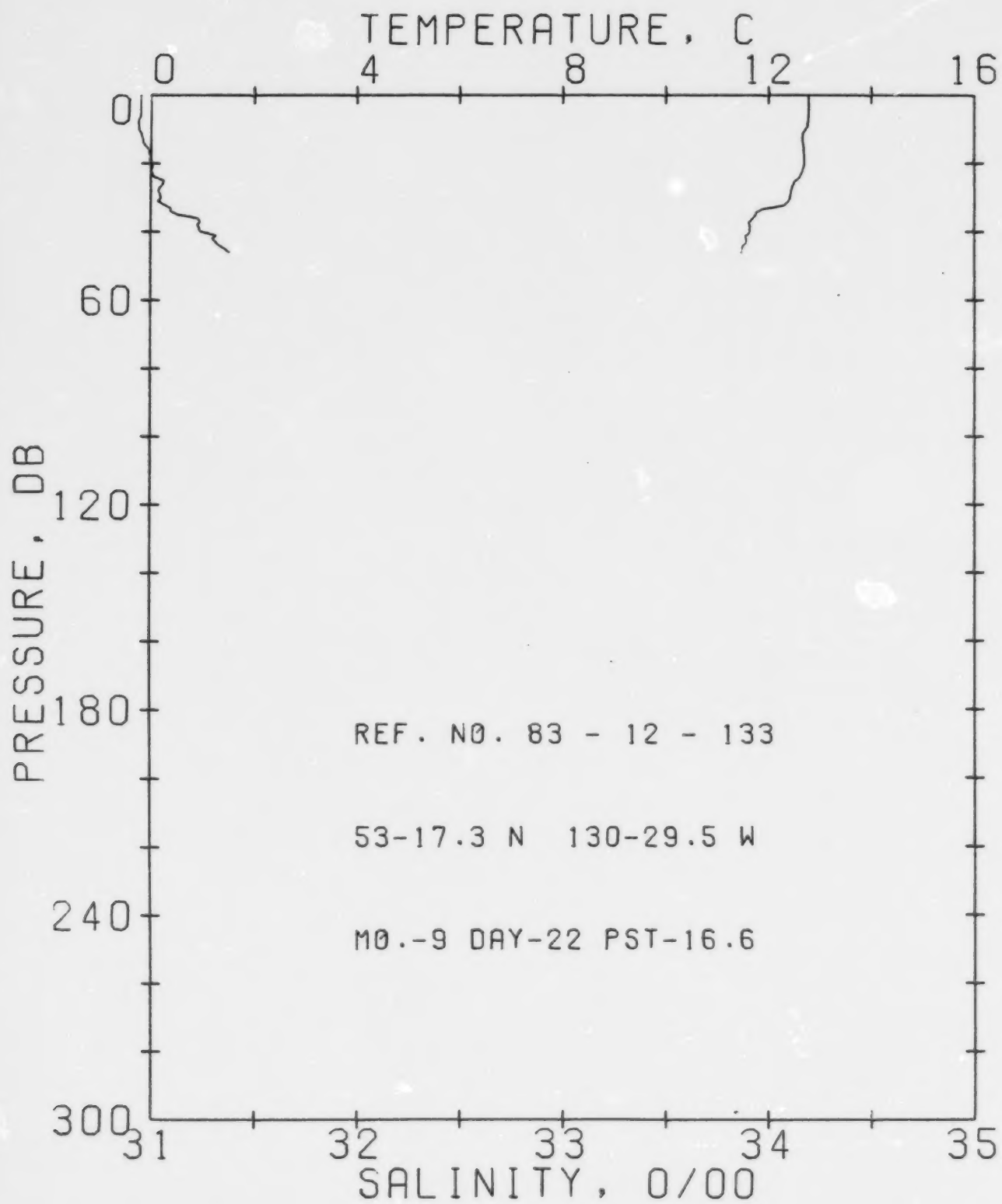
STATION W 3

RESULTS OF STP CAST 96 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.77 | 30.92 | 0     | 23.31      | 458.0 | .00        | .00        | 1495. |
| 10    | 12.60 | 30.95 | 10    | 23.37      | 452.7 | .46        | .02        | 1495. |
| 20    | 12.23 | 31.14 | 20    | 23.58      | 432.5 | .90        | .09        | 1494. |
| 30    | 12.08 | 31.18 | 30    | 23.64      | 427.0 | 1.33       | .20        | 1493. |
| 50    | 10.82 | 31.70 | 50    | 24.27      | 367.3 | 2.12       | .52        | 1490. |
| 75    | 9.43  | 32.22 | 75    | 24.90      | 307.8 | 2.98       | 1.07       | 1486. |

266



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-133

DATE 22/ 9/83

POSITION 53-17.3N, 130-29.5W

16.6

STATION W 4

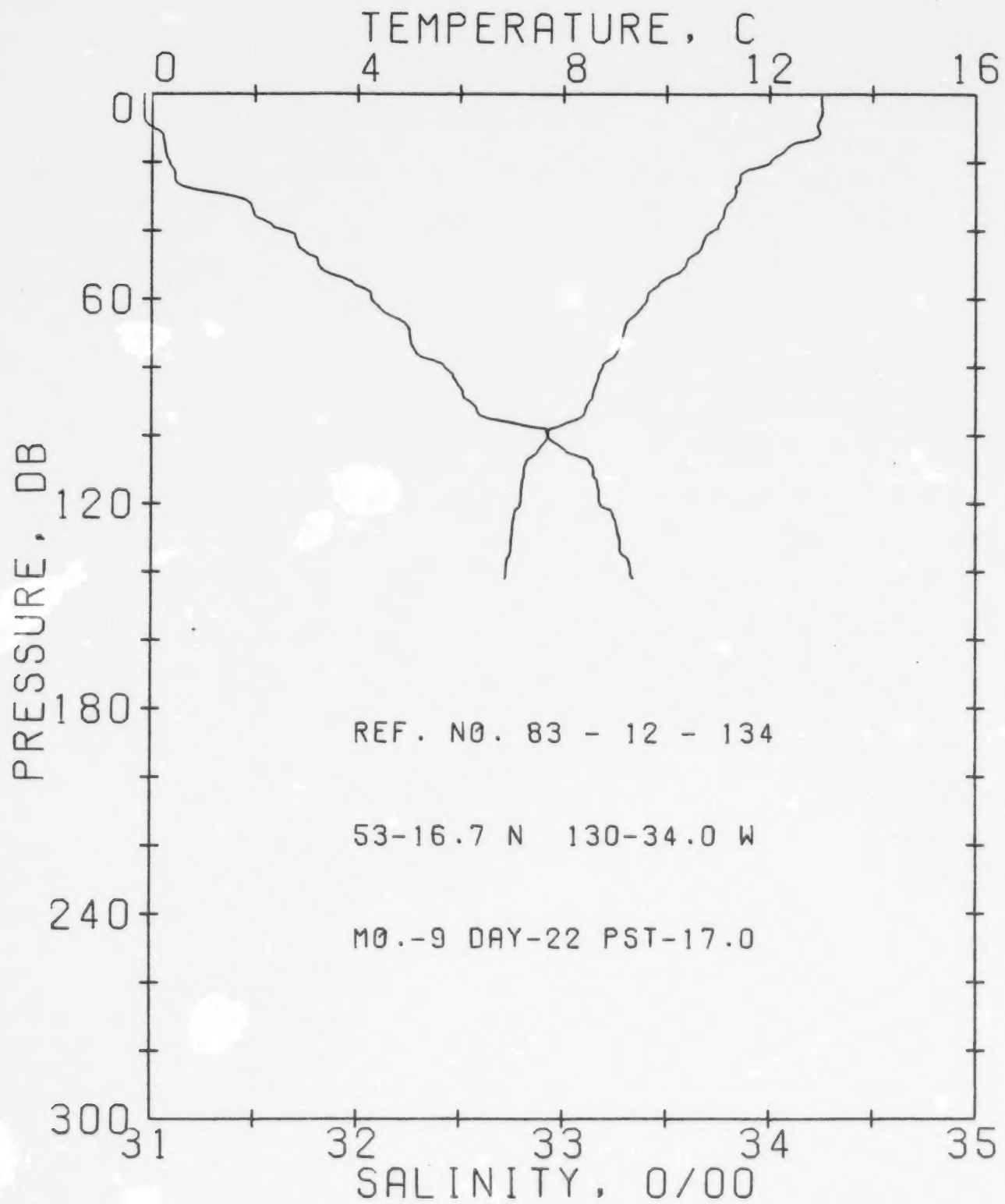
RESULTS OF STP CAST 47 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.79 | 30.95 | 0     | 23.33      | 456.1 | .00        | .00        | 1495. |
| 10    | 12.71 | 30.94 | 10    | 23.33      | 455.6 | .46        | .02        | 1495. |
| 20    | 12.70 | 31.01 | 20    | 23.39      | 450.6 | .91        | .09        | 1495. |
| 30    | 12.42 | 31.05 | 30    | 23.47      | 442.8 | 1.36       | .21        | 1494. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.79 | 30.95 | 24.  |       | 12.60 | 31.02 |
| 1.   |       | 12.79 | 30.95 | 25.  |       | 12.51 | 31.07 |
| 2.   |       | 12.79 | 30.95 | 26.  |       | 12.48 | 31.06 |
| 3.   |       | 12.79 | 30.95 | 27.  |       | 12.45 | 31.04 |
| 4.   |       | 12.79 | 30.95 | 28.  |       | 12.44 | 31.03 |
| 5.   |       | 12.78 | 30.95 | 29.  |       | 12.42 | 31.04 |
| 6.   |       | 12.78 | 30.95 | 30.  |       | 12.42 | 31.05 |
| 7.   |       | 12.78 | 30.94 | 31.  |       | 12.38 | 31.03 |
| 8.   |       | 12.77 | 30.94 | 32.  |       | 12.32 | 31.06 |
| 9.   |       | 12.77 | 30.94 | 33.  |       | 11.91 | 31.10 |
| 10.  |       | 12.71 | 30.94 | 34.  |       | 11.76 | 31.10 |
| 11.  |       | 12.67 | 30.95 | 35.  |       | 11.75 | 31.13 |
| 12.  |       | 12.66 | 30.96 | 36.  |       | 11.68 | 31.23 |
| 13.  |       | 12.66 | 30.96 | 37.  |       | 11.61 | 31.24 |
| 14.  |       | 12.67 | 30.96 | 38.  |       | 11.63 | 31.22 |
| 15.  |       | 12.68 | 30.98 | 39.  |       | 11.63 | 31.23 |
| 16.  |       | 12.68 | 30.99 | 40.  |       | 11.63 | 31.24 |
| 17.  |       | 12.69 | 30.99 | 41.  |       | 11.54 | 31.32 |
| 18.  |       | 12.69 | 31.00 | 42.  |       | 11.57 | 31.30 |
| 19.  |       | 12.70 | 31.00 | 43.  |       | 11.56 | 31.32 |
| 20.  |       | 12.70 | 31.01 | 44.  |       | 11.49 | 31.33 |
| 21.  |       | 12.68 | 31.01 | 45.  |       | 11.48 | 31.36 |
| 22.  |       | 12.66 | 31.00 | 46.  |       | 11.46 | 31.38 |
| 23.  |       | 12.63 | 31.01 |      |       |       |       |

268



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-134

DATE 22/ 9/83

POSITION 53-16.7N, 130-34.0W

17.0

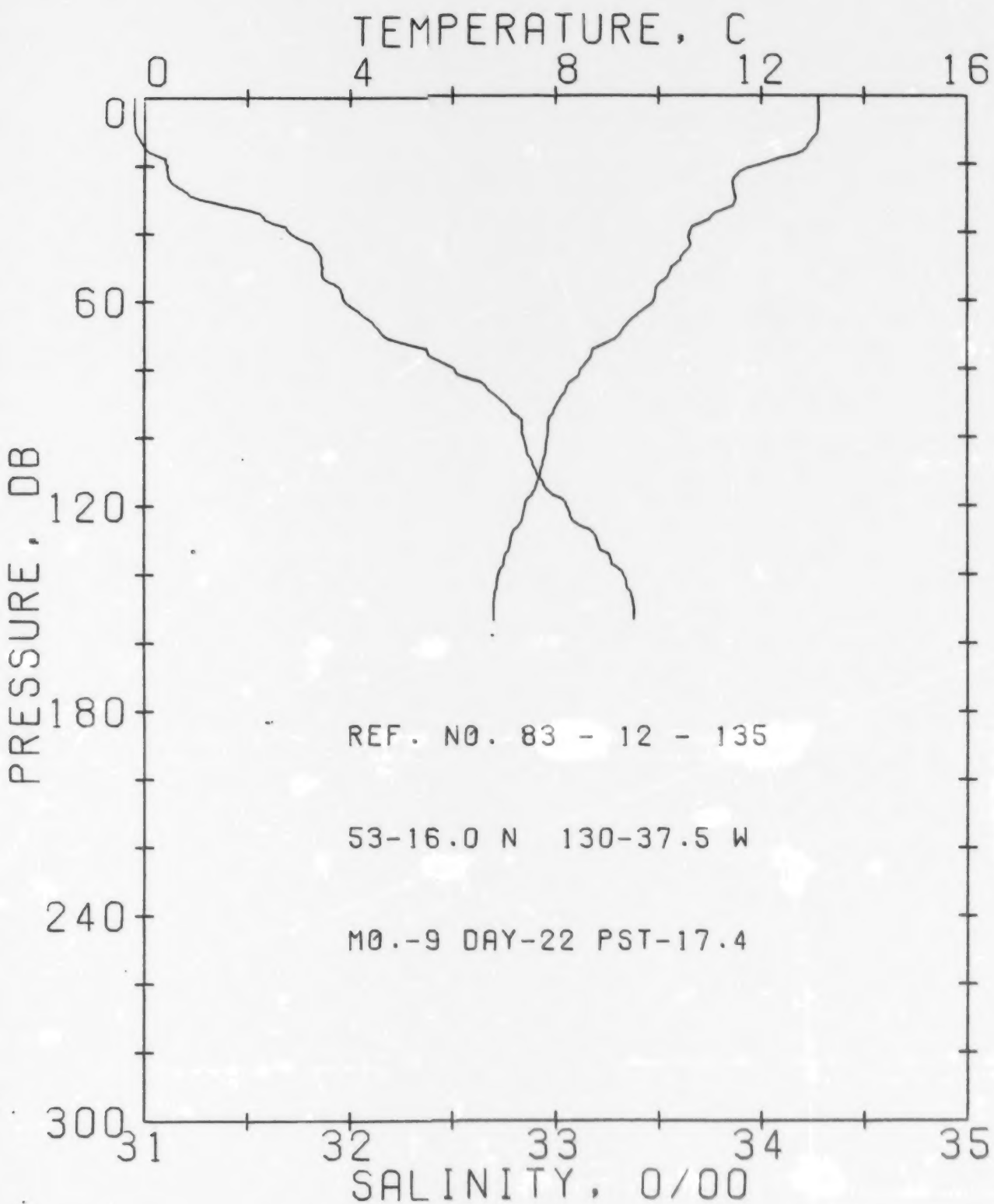
STATION W 5

RESULTS OF STP CAST 143 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.01 | 30.96 | 0     | 23.29      | 459.4 | .00        | .00        | 1496. |
| 10    | 12.96 | 31.01 | 10    | 23.34      | 455.0 | .46        | .02        | 1496. |
| 20    | 12.02 | 31.09 | 20    | 23.58      | 432.8 | .90        | .09        | 1493. |
| 30    | 11.33 | 31.40 | 30    | 23.95      | 397.7 | 1.32       | .20        | 1491. |
| 50    | 10.38 | 31.81 | 50    | 24.43      | 352.3 | 2.07       | .50        | 1489. |
| 75    | 9.06  | 32.28 | 75    | 25.01      | 297.4 | 2.86       | 1.00       | 1485. |
| 100   | 7.70  | 32.93 | 99    | 25.71      | 230.4 | 3.54       | 1.60       | 1481. |
| 125   | 7.03  | 33.25 | 124   | 26.06      | 197.3 | 4.06       | 2.20       | 1479. |

270



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-135

DATE 22/ 9/83

POSITION 53-16.0N, 130-37.5W

17.4

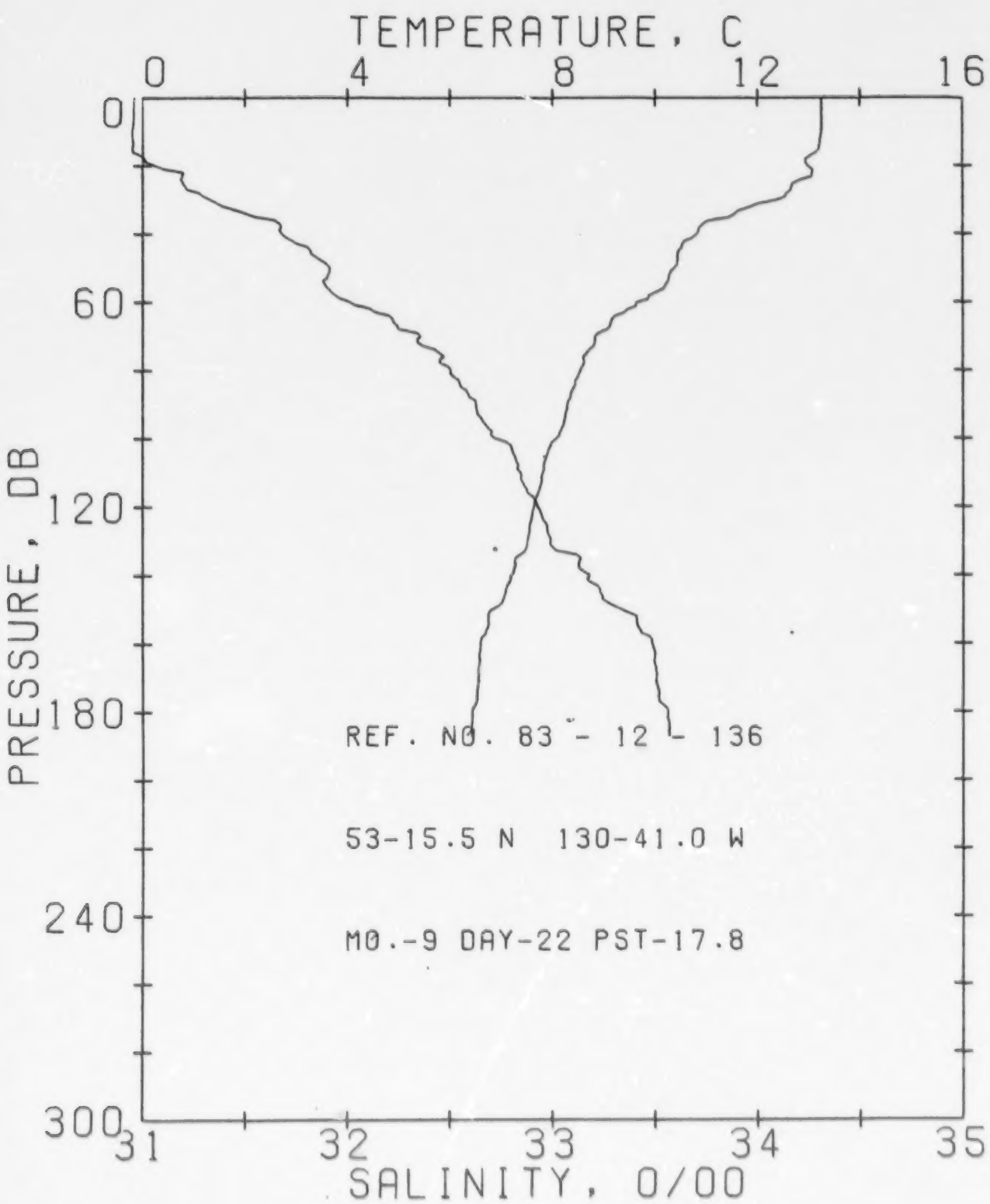
STATION W 6

RESULTS OF STP CAST 154 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.12 | 30.95 | 0     | 23.26      | 462.2 | .00        | .00        | 1496. |
| 10    | 13.11 | 30.96 | 10    | 23.27      | 461.9 | .46        | .02        | 1496. |
| 20    | 11.99 | 31.11 | 20    | 23.60      | 430.3 | .91        | .09        | 1493. |
| 30    | 11.51 | 31.27 | 30    | 23.81      | 410.3 | 1.33       | .20        | 1492. |
| 50    | 10.24 | 31.87 | 50    | 24.49      | 345.9 | 2.07       | .50        | 1488. |
| 75    | 8.70  | 32.38 | 75    | 25.14      | 284.9 | 2.87       | 1.01       | 1483. |
| 100   | 7.83  | 32.84 | 99    | 25.63      | 238.4 | 3.52       | 1.58       | 1481. |
| 125   | 7.31  | 33.10 | 124   | 25.90      | 212.8 | 4.08       | 2.23       | 1480. |
| 150   | 6.78  | 33.38 | 149   | 26.19      | 185.4 | 4.57       | 2.91       | 1478. |





## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-136

DATE 22/ 9/83

POSITION 53-15.5N, 130-41.0W

17.8

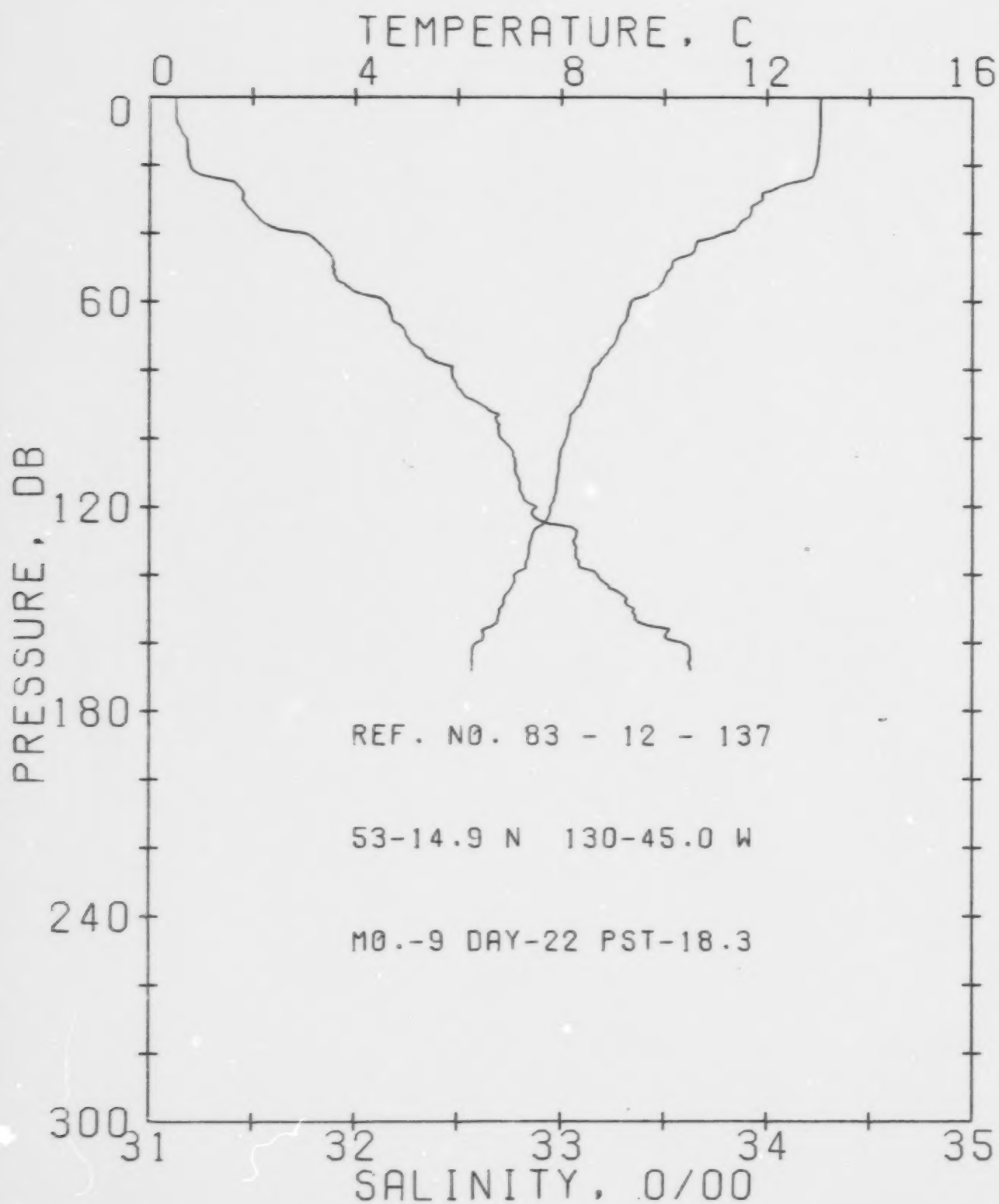
STATION W 7

RESULTS OF STP CAST 188 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.26 | 30.96 | 0     | 23.24      | 464.3 | .00        | .00        | 1497. |
| 10    | 13.26 | 30.95 | 10    | 23.23      | 465.4 | .46        | .02        | 1497. |
| 20    | 12.99 | 31.06 | 20    | 23.38      | 451.9 | .93        | .09        | 1496. |
| 30    | 12.39 | 31.33 | 30    | 23.70      | 421.5 | 1.36       | .21        | 1495. |
| 50    | 10.37 | 31.92 | 50    | 24.51      | 344.4 | 2.11       | .51        | 1489. |
| 75    | 8.67  | 32.45 | 75    | 25.20      | 279.0 | 2.90       | 1.00       | 1483. |
| 100   | 8.08  | 32.72 | 99    | 25.49      | 251.2 | 3.56       | 1.59       | 1482. |
| 125   | 7.56  | 32.97 | 124   | 25.77      | 225.4 | 4.15       | 2.27       | 1481. |
| 150   | 6.80  | 33.34 | 149   | 26.16      | 188.5 | 4.67       | 3.00       | 1479. |
| 175   | 6.52  | 33.52 | 174   | 26.34      | 171.7 | 5.12       | 3.73       | 1478. |

274



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-137

DATE 22/ 9/83

POSITION 53-14.9N, 130-45.0W

18.3

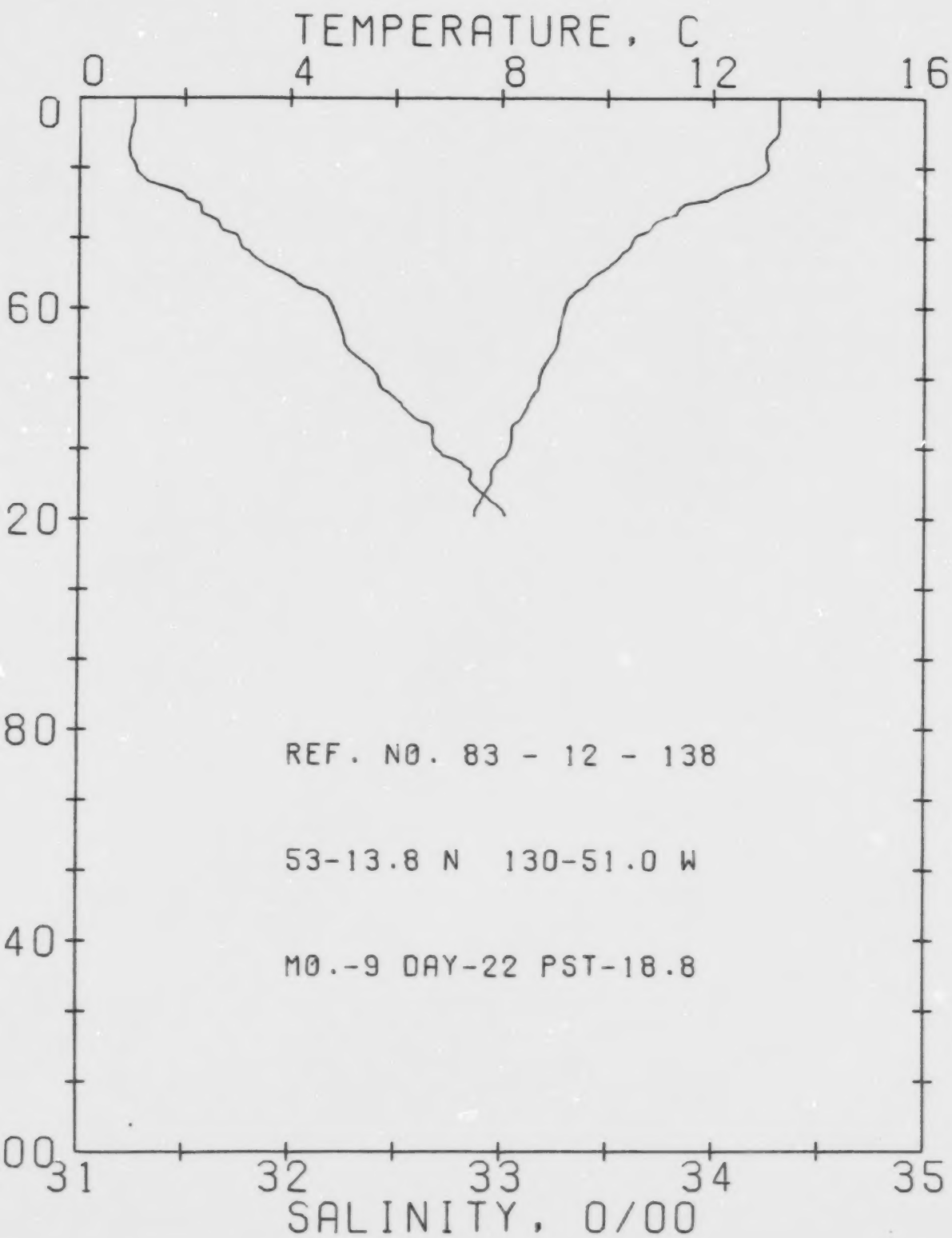
STATION W 8

RESULTS OF STP CAST 169 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.04 | 31.13 | 0     | 23.41      | 447.9 | .00        | .00        | 1496. |
| 10    | 13.05 | 31.15 | 10    | 23.43      | 446.2 | .45        | .02        | 1496. |
| 20    | 12.97 | 31.19 | 20    | 23.48      | 441.8 | .89        | .09        | 1496. |
| 30    | 11.93 | 31.45 | 30    | 23.87      | 404.9 | 1.31       | .20        | 1493. |
| 50    | 10.16 | 31.88 | 50    | 24.52      | 343.2 | 2.06       | .50        | 1488. |
| 75    | 8.90  | 32.34 | 75    | 25.07      | 291.0 | 2.84       | 1.00       | 1484. |
| 100   | 8.10  | 32.71 | 99    | 25.49      | 251.9 | 3.51       | 1.59       | 1482. |
| 125   | 7.67  | 32.94 | 124   | 25.73      | 229.4 | 4.12       | 2.28       | 1481. |
| 150   | 6.81  | 33.36 | 149   | 26.18      | 186.9 | 4.64       | 3.01       | 1479. |

276



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-138

DATE 22/ 9/83

POSITION 53-13.8N, 130-51.0W

15.8

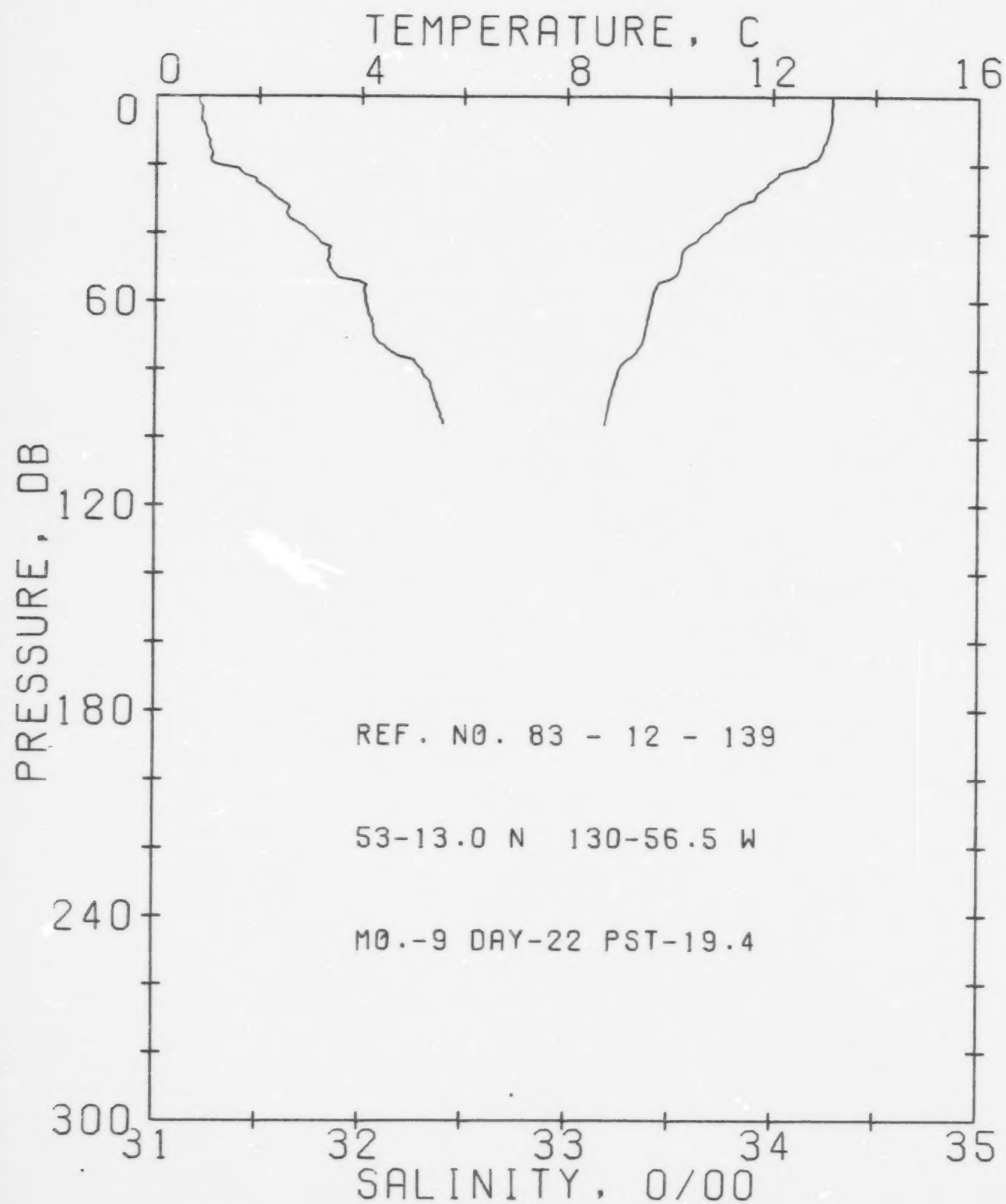
STATION W 9

RESULTS OF STP CAST 120 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.25 | 31.26 | 0     | 23.48      | 441.8 | .00        | .00        | 1497. |
| 10    | 13.24 | 31.24 | 10    | 23.46      | 443.3 | .44        | .02        | 1497. |
| 20    | 13.06 | 31.27 | 20    | 23.52      | 438.1 | .88        | .09        | 1497. |
| 30    | 11.50 | 31.57 | 30    | 24.04      | 388.4 | 1.30       | .20        | 1492. |
| 50    | 9.82  | 31.97 | 50    | 24.64      | 331.7 | 2.02       | .49        | 1487. |
| 75    | 8.87  | 32.35 | 75    | 25.09      | 289.7 | 2.79       | .97        | 1484. |
| 100   | 8.16  | 32.69 | 99    | 25.46      | 254.0 | 3.46       | 1.57       | 1482. |

278



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-139

DATE 22/ 9/83

POSITION 53-13.0N, 130-56.5W

19.4

STATION W10

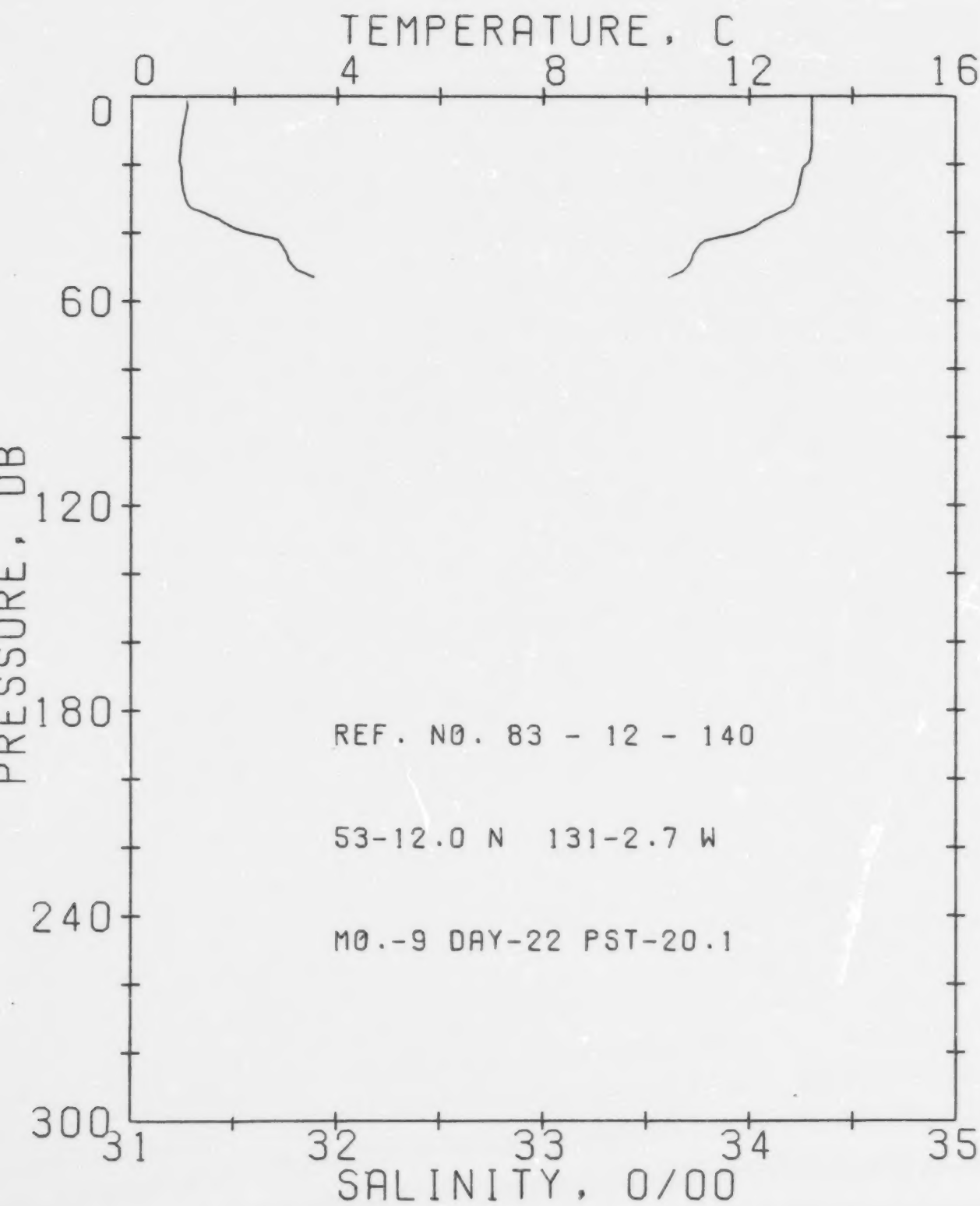
RESULTS OF STP CAST 97 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.16 | 31.21 | 0     | 23.45      | 444.0 | .00        | .00        | 1497. |
| 10    | 13.11 | 31.24 | 10    | 23.49      | 440.9 | .44        | .02        | 1497. |
| 20    | 12.68 | 31.29 | 20    | 23.61      | 429.2 | .88        | .09        | 1495. |
| 30    | 11.65 | 31.60 | 30    | 24.04      | 388.8 | 1.28       | .19        | 1492. |
| 50    | 10.19 | 31.85 | 50    | 24.49      | 346.5 | 2.01       | .49        | 1488. |
| 75    | 9.34  | 32.16 | 75    | 24.86      | 310.9 | 2.82       | 1.00       | 1486. |



280



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-140

DATE 22/ 9/83

POSITION 53-12.0N, 131- 2.7W

20.1

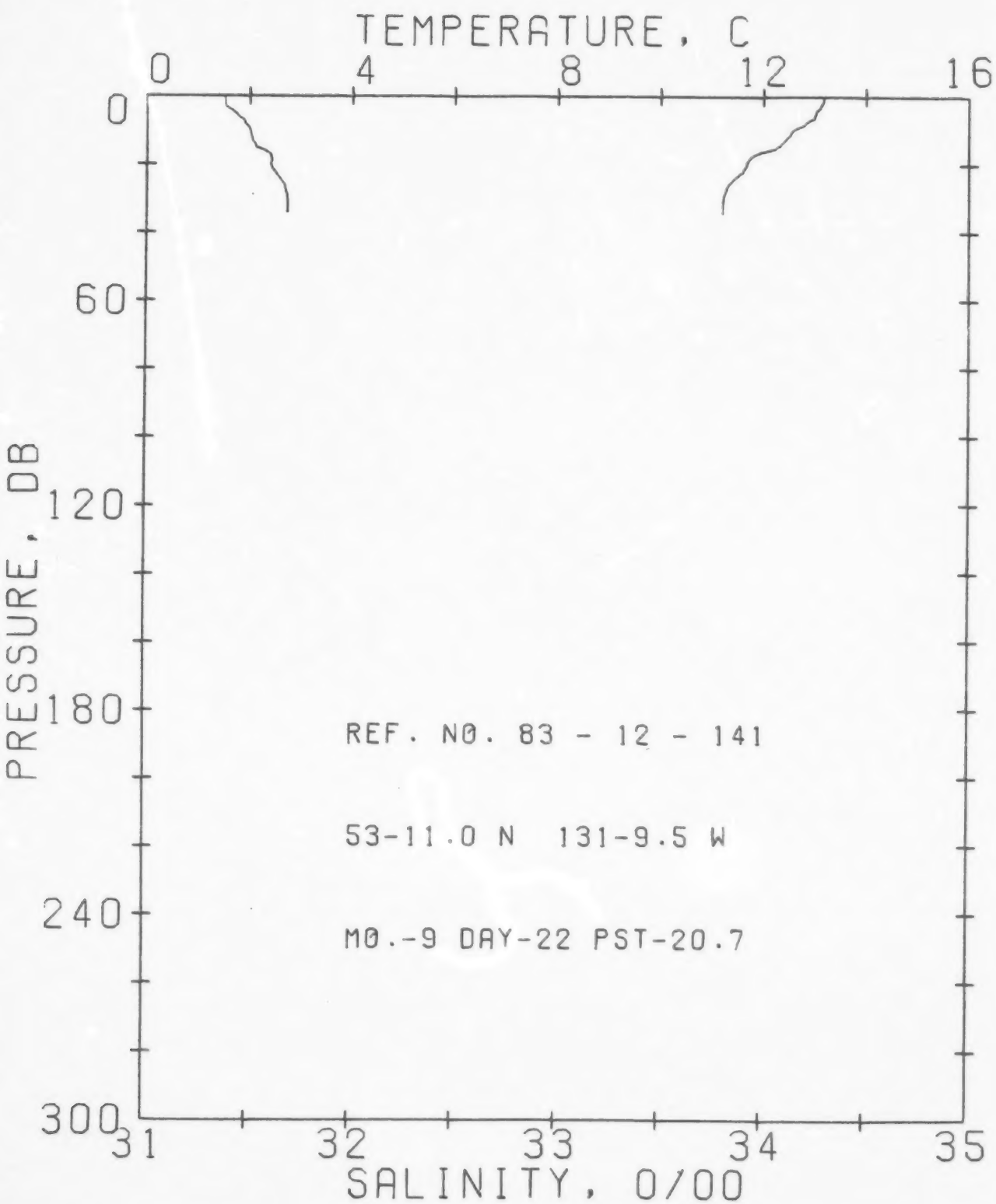
STATION W11

RESULTS OF STP CAST 54 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.22 | 31.27 | 0     | 23.49      | 440.7 | .00        | .00        | 1497. |
| 10    | 13.22 | 31.25 | 10    | 23.47      | 442.5 | .44        | .02        | 1497. |
| 20    | 13.09 | 31.24 | 20    | 23.49      | 441.0 | .88        | .09        | 1497. |
| 30    | 12.90 | 31.26 | 30    | 23.55      | 435.9 | 1.32       | .20        | 1496. |
| 50    | 10.78 | 31.79 | 50    | 24.34      | 360.4 | 2.11       | .52        | 1490. |

282



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-141

DATE 22/ 9/83

POSITION 53-11.0N, 131- 9.5W

20.7

STATION W12

RESULTS OF STP CAST

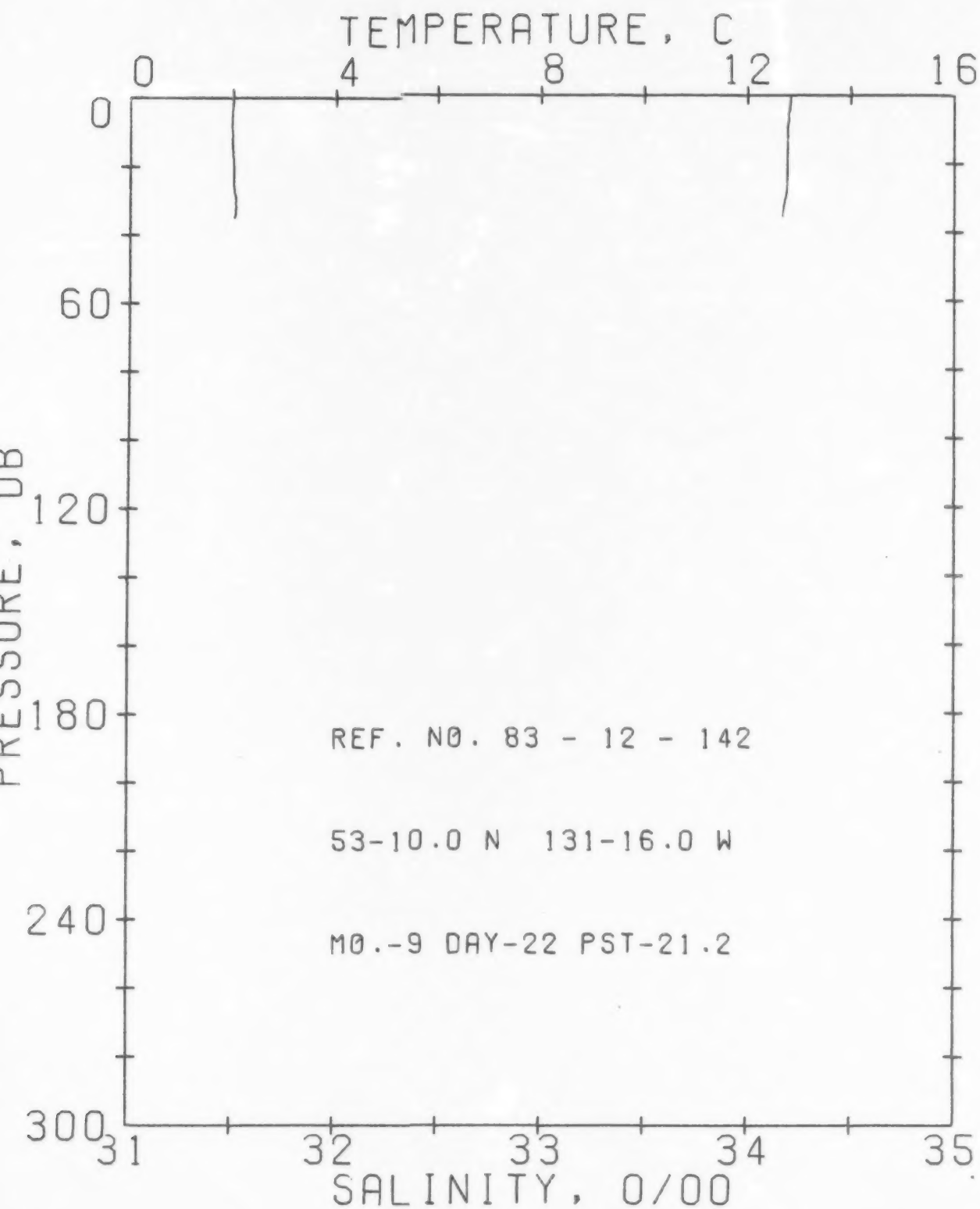
35 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.18 | 31.38 | 0     | 23.58      | 431.6 | .00        | .00        | 1497. |
| 10    | 12.56 | 31.51 | 10    | 23.80      | 411.3 | .42        | .02        | 1495. |
| 20    | 11.68 | 31.60 | 20    | 24.04      | 389.0 | .82        | .08        | 1492. |
| 30    | 11.21 | 31.68 | 30    | 24.18      | 375.1 | 1.20       | .18        | 1491. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.18 | 31.38 | 18.  |       | 11.74 | 31.60 |
| 1.   |       | 13.18 | 31.38 | 19.  |       | 11.69 | 31.61 |
| 2.   |       | 13.14 | 31.38 | 20.  |       | 11.68 | 31.60 |
| 3.   |       | 13.11 | 31.38 | 21.  |       | 11.63 | 31.61 |
| 4.   |       | 13.04 | 31.41 | 22.  |       | 11.60 | 31.62 |
| 5.   |       | 13.02 | 31.44 | 23.  |       | 11.51 | 31.63 |
| 6.   |       | 13.00 | 31.45 | 24.  |       | 11.43 | 31.65 |
| 7.   |       | 12.86 | 31.48 | 25.  |       | 11.37 | 31.66 |
| 8.   |       | 12.81 | 31.48 | 26.  |       | 11.30 | 31.67 |
| 9.   |       | 12.63 | 31.50 | 27.  |       | 11.28 | 31.67 |
| 10.  |       | 12.56 | 31.51 | 28.  |       | 11.26 | 31.68 |
| 11.  |       | 12.53 | 31.51 | 29.  |       | 11.23 | 31.68 |
| 12.  |       | 12.46 | 31.51 | 30.  |       | 11.21 | 31.68 |
| 13.  |       | 12.40 | 31.52 | 31.  |       | 11.21 | 31.68 |
| 14.  |       | 12.33 | 31.53 | 32.  |       | 11.21 | 31.68 |
| 15.  |       | 12.23 | 31.54 | 33.  |       | 11.21 | 31.68 |
| 16.  |       | 11.97 | 31.58 | 34.  |       | 11.21 | 31.68 |
| 17.  |       | 11.80 | 31.60 |      |       |       |       |

284



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-142

DATE 22/ 9/83

POSITION 53-10.0N, 131-16.0W

21.2

STATION W13

RESULTS OF STP CAST

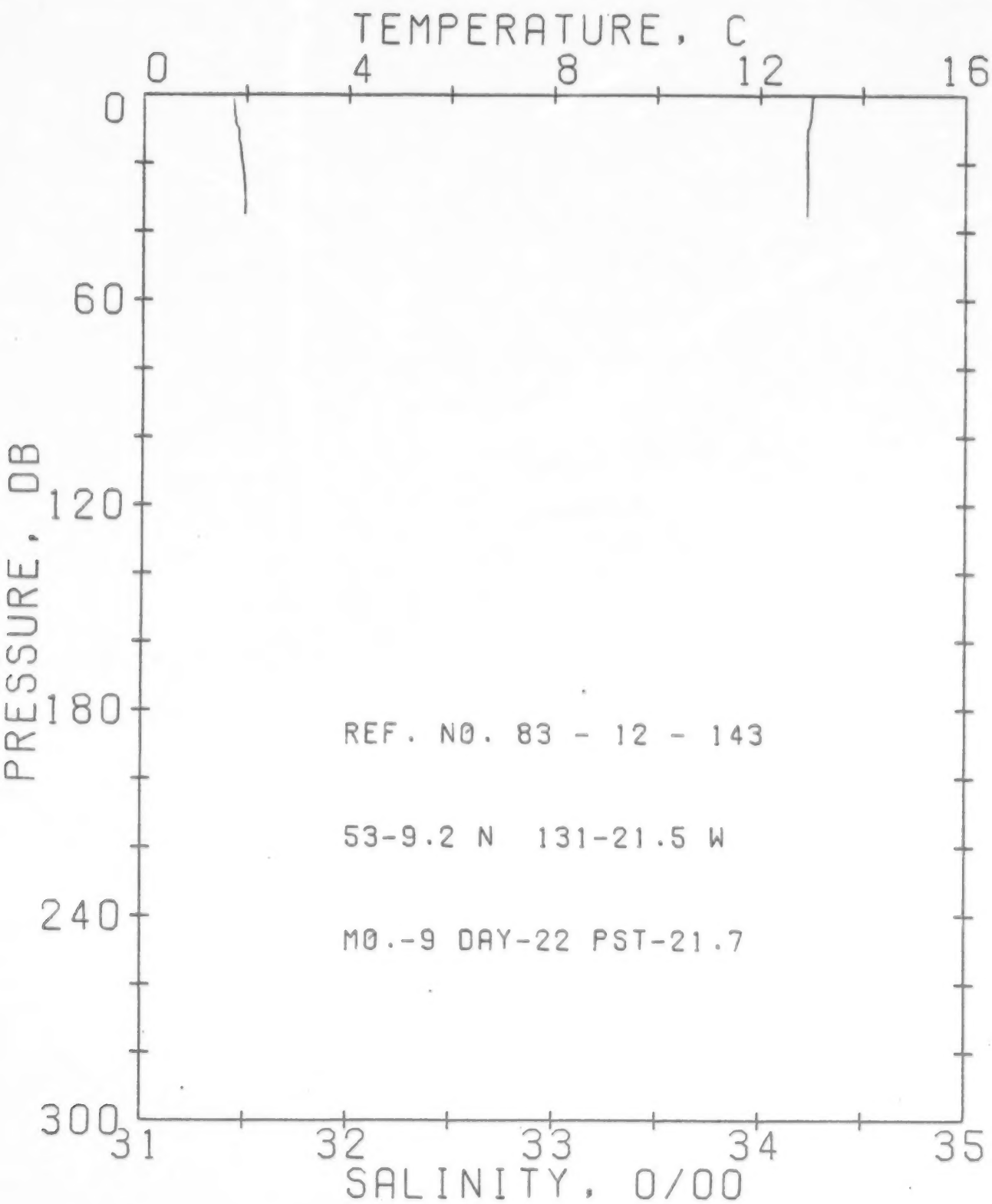
36 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.84 | 31.50 | 0     | 23.74      | 416.5 | .00        | .00        | 1496. |
| 10    | 12.78 | 31.50 | 10    | 23.75      | 415.9 | .42        | .02        | 1496. |
| 20    | 12.77 | 31.50 | 20    | 23.76      | 415.6 | .83        | .08        | 1496. |
| 30    | 12.73 | 31.51 | 30    | 23.77      | 414.4 | 1.25       | .19        | 1496. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 12.84 | 31.50 | 18.  |       | 12.77 | 31.50 |
| 1.   |       | 12.84 | 31.50 | 19.  |       | 12.77 | 31.50 |
| 2.   |       | 12.83 | 31.49 | 20.  |       | 12.77 | 31.50 |
| 3.   |       | 12.82 | 31.50 | 21.  |       | 12.77 | 31.50 |
| 4.   |       | 12.82 | 31.49 | 22.  |       | 12.77 | 31.50 |
| 5.   |       | 12.79 | 31.49 | 23.  |       | 12.77 | 31.50 |
| 6.   |       | 12.80 | 31.49 | 24.  |       | 12.77 | 31.50 |
| 7.   |       | 12.80 | 31.49 | 25.  |       | 12.77 | 31.50 |
| 8.   |       | 12.79 | 31.49 | 26.  |       | 12.77 | 31.50 |
| 9.   |       | 12.78 | 31.49 | 27.  |       | 12.76 | 31.51 |
| 10.  |       | 12.78 | 31.50 | 28.  |       | 12.76 | 31.51 |
| 11.  |       | 12.78 | 31.50 | 29.  |       | 12.75 | 31.51 |
| 12.  |       | 12.78 | 31.49 | 30.  |       | 12.73 | 31.51 |
| 13.  |       | 12.78 | 31.49 | 31.  |       | 12.71 | 31.51 |
| 14.  |       | 12.78 | 31.49 | 32.  |       | 12.70 | 31.51 |
| 15.  |       | 12.78 | 31.50 | 33.  |       | 12.69 | 31.51 |
| 16.  |       | 12.77 | 31.50 | 34.  |       | 12.69 | 31.51 |
| 17.  |       | 12.77 | 31.50 | 35.  |       | 12.68 | 31.50 |

286



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-143

DATE 22/ 9/83

POSITION 53- 9.2N, 131-21.5W 21.7 STATION W14

RESULTS OF STP CAST 36 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

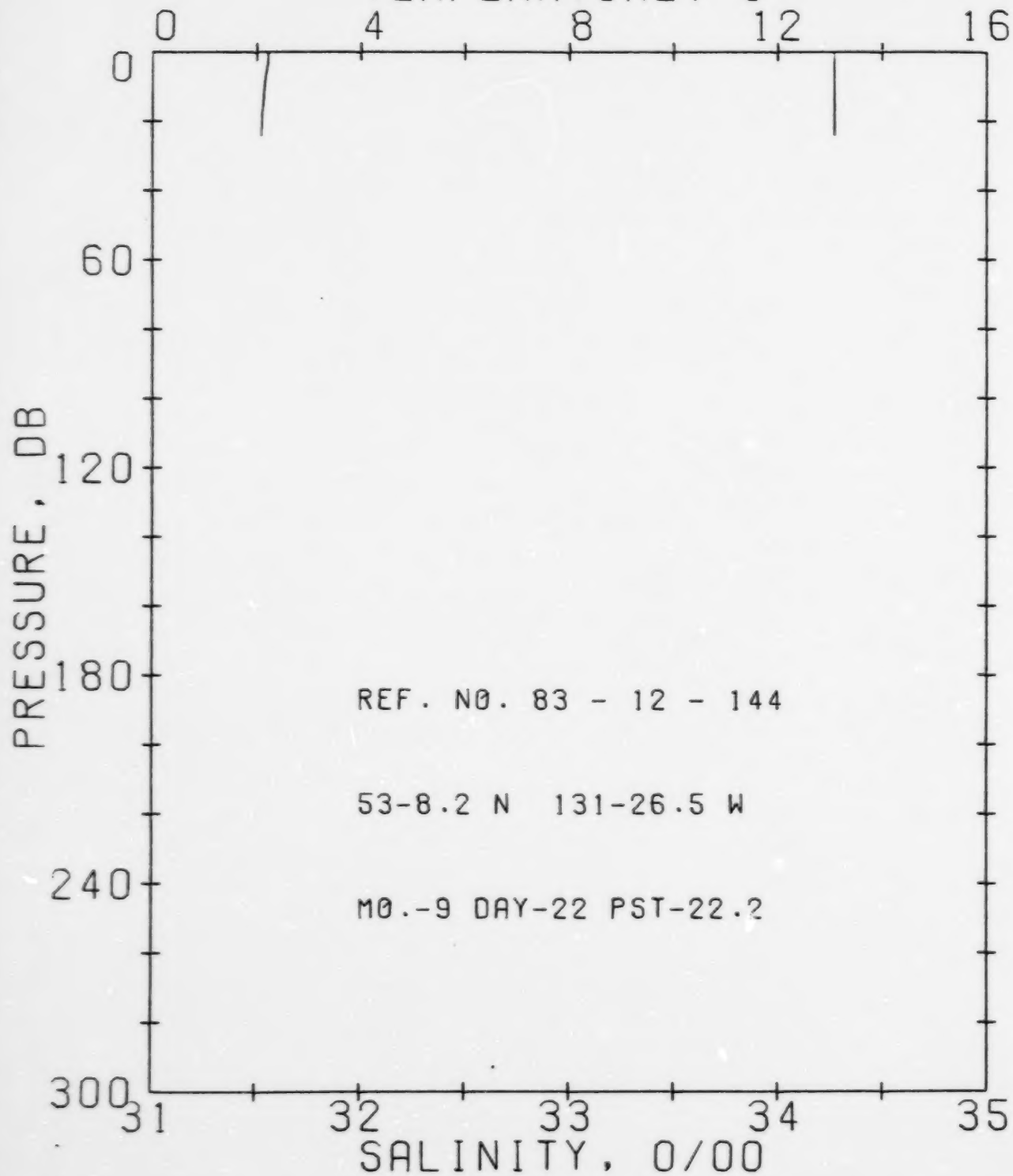
| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.02 | 31.44 | 0     | 23.66      | 424.5 | .00        | .00        | 1496. |
| 10    | 12.92 | 31.46 | 10    | 23.70      | 421.0 | .42        | .02        | 1496. |
| 20    | 12.92 | 31.48 | 20    | 23.71      | 420.1 | .84        | .09        | 1497. |
| 30    | 12.93 | 31.50 | 30    | 23.72      | 419.3 | 1.26       | .19        | 1497. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.02 | 31.44 | 18.  |       | 12.92 | 31.48 |
| 1.   |       | 13.02 | 31.44 | 19.  |       | 12.92 | 31.48 |
| 2.   |       | 13.01 | 31.44 | 20.  |       | 12.92 | 31.48 |
| 3.   |       | 13.01 | 31.44 | 21.  |       | 12.92 | 31.48 |
| 4.   |       | 13.00 | 31.44 | 22.  |       | 12.92 | 31.49 |
| 5.   |       | 13.00 | 31.44 | 23.  |       | 12.93 | 31.49 |
| 6.   |       | 13.00 | 31.44 | 24.  |       | 12.93 | 31.49 |
| 7.   |       | 12.98 | 31.45 | 25.  |       | 12.93 | 31.49 |
| 8.   |       | 12.97 | 31.45 | 26.  |       | 12.93 | 31.49 |
| 9.   |       | 12.96 | 31.45 | 27.  |       | 12.93 | 31.49 |
| 10.  |       | 12.92 | 31.46 | 28.  |       | 12.93 | 31.49 |
| 11.  |       | 12.92 | 31.47 | 29.  |       | 12.93 | 31.49 |
| 12.  |       | 12.92 | 31.46 | 30.  |       | 12.93 | 31.50 |
| 13.  |       | 12.92 | 31.46 | 31.  |       | 12.93 | 31.49 |
| 14.  |       | 12.92 | 31.47 | 32.  |       | 12.93 | 31.49 |
| 15.  |       | 12.92 | 31.47 | 33.  |       | 12.93 | 31.49 |
| 16.  |       | 12.92 | 31.47 | 34.  |       | 12.93 | 31.49 |
| 17.  |       | 12.92 | 31.48 | 35.  |       | 12.93 | 31.49 |



288

TEMPERATURE, C



289

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-144

DATE 22/ 9/83

POSITION 53- 8.2N, 131-26.5W

22.2

STATION W15

RESULTS OF STP CAST

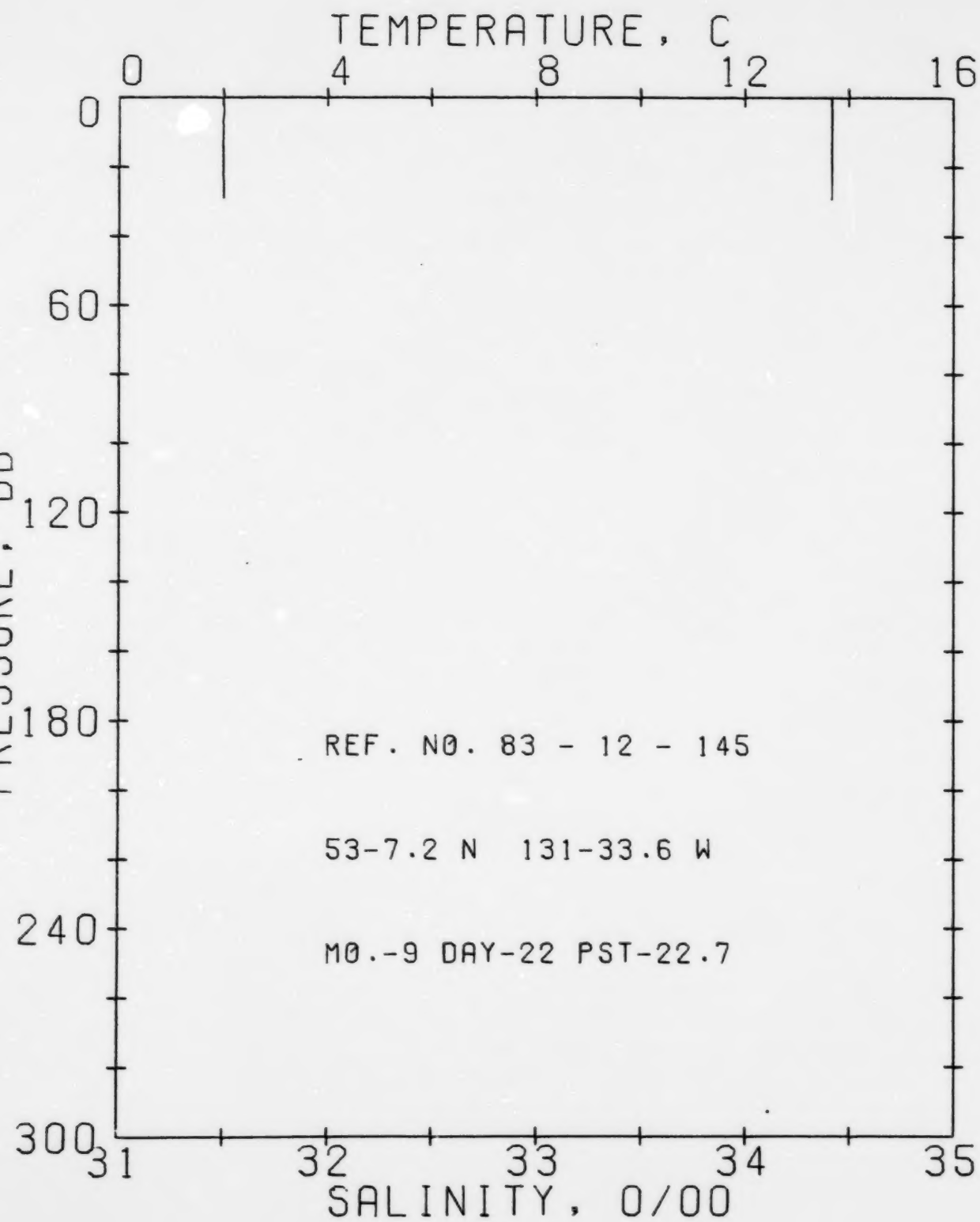
25 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.09 | 31.55 | 0     | 23.73      | 417.3 | .00        | .00        | 1497. |
| 10    | 13.09 | 31.54 | 10    | 23.72      | 418.8 | .42        | .02        | 1497. |
| 20    | 13.09 | 31.52 | 20    | 23.71      | 420.0 | .84        | .09        | 1497. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.09 | 31.55 | 13.  |       | 13.09 | 31.53 |
| 1.   |       | 13.09 | 31.55 | 14.  |       | 13.09 | 31.53 |
| 2.   |       | 13.09 | 31.55 | 15.  |       | 13.09 | 31.53 |
| 3.   |       | 13.09 | 31.55 | 16.  |       | 13.09 | 31.53 |
| 4.   |       | 13.09 | 31.55 | 17.  |       | 13.09 | 31.53 |
| 5.   |       | 13.09 | 31.55 | 18.  |       | 13.09 | 31.53 |
| 6.   |       | 13.09 | 31.54 | 19.  |       | 13.09 | 31.53 |
| 7.   |       | 13.09 | 31.54 | 20.  |       | 13.09 | 31.52 |
| 8.   |       | 13.09 | 31.54 | 21.  |       | 13.09 | 31.52 |
| 9.   |       | 13.09 | 31.54 | 22.  |       | 13.09 | 31.52 |
| 10.  |       | 13.09 | 31.54 | 23.  |       | 13.09 | 31.52 |
| 11.  |       | 13.09 | 31.54 | 24.  |       | 13.10 | 31.52 |
| 12.  |       | 13.09 | 31.53 |      |       |       |       |

290



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-145

DATE 22/ 9/83

POSITION 53- 7.2N, 131-33.6W

22.7

STATION W16

RESULTS OF STP CAST

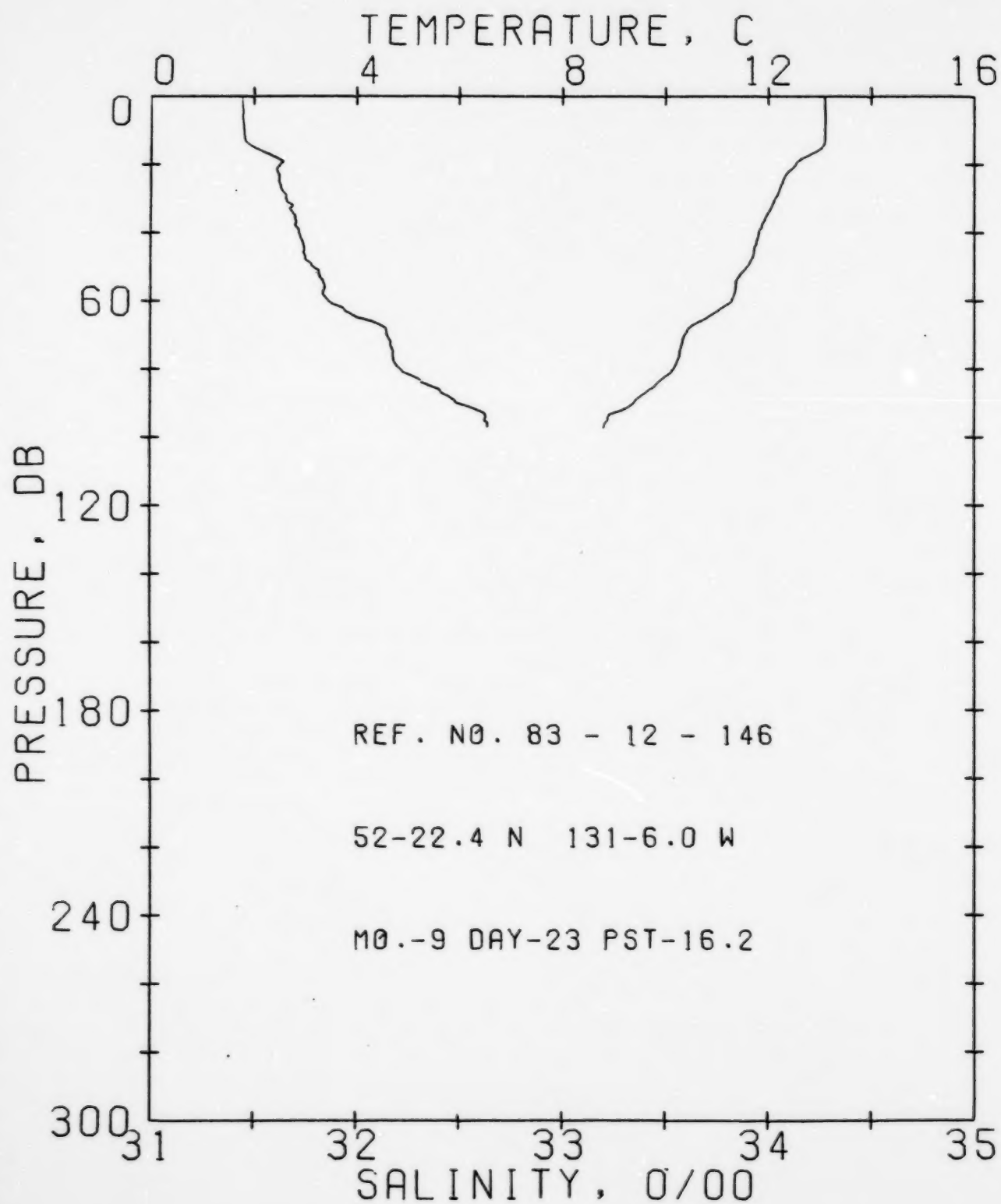
30 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.67 | 31.50 | 0     | 23.58      | 432.4 | .00        | .00        | 1499. |
| 10    | 13.68 | 31.50 | 10    | 23.58      | 432.7 | .43        | .02        | 1499. |
| 20    | 13.67 | 31.50 | 20    | 23.58      | 432.8 | .87        | .09        | 1499. |
| 30    | 13.67 | 31.50 | 30    | 23.58      | 432.9 | 1.30       | .20        | 1499. |

| PRES | DEPTH | TEMP  | SAL   | PRES | DEPTH | TEMP  | SAL   |
|------|-------|-------|-------|------|-------|-------|-------|
| 0.   |       | 13.67 | 31.50 | 15.  |       | 13.67 | 31.50 |
| 1.   |       | 13.67 | 31.50 | 16.  |       | 13.67 | 31.50 |
| 2.   |       | 13.67 | 31.50 | 17.  |       | 13.67 | 31.50 |
| 3.   |       | 13.68 | 31.50 | 18.  |       | 13.67 | 31.50 |
| 4.   |       | 13.68 | 31.50 | 19.  |       | 13.67 | 31.50 |
| 5.   |       | 13.68 | 31.50 | 20.  |       | 13.67 | 31.50 |
| 6.   |       | 13.68 | 31.50 | 21.  |       | 13.67 | 31.50 |
| 7.   |       | 13.68 | 31.49 | 22.  |       | 13.67 | 31.50 |
| 8.   |       | 13.68 | 31.50 | 23.  |       | 13.67 | 31.50 |
| 9.   |       | 13.68 | 31.50 | 24.  |       | 13.67 | 31.50 |
| 10.  |       | 13.68 | 31.50 | 25.  |       | 13.67 | 31.50 |
| 11.  |       | 13.67 | 31.50 | 26.  |       | 13.67 | 31.50 |
| 12.  |       | 13.67 | 31.50 | 27.  |       | 13.67 | 31.50 |
| 13.  |       | 13.67 | 31.50 | 28.  |       | 13.67 | 31.50 |
| 14.  |       | 13.67 | 31.50 | 29.  |       | 13.67 | 31.50 |

292



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-146

DATE 23/ 9/83

POSITION 52-22.4N, 131- 6.0W

16.2

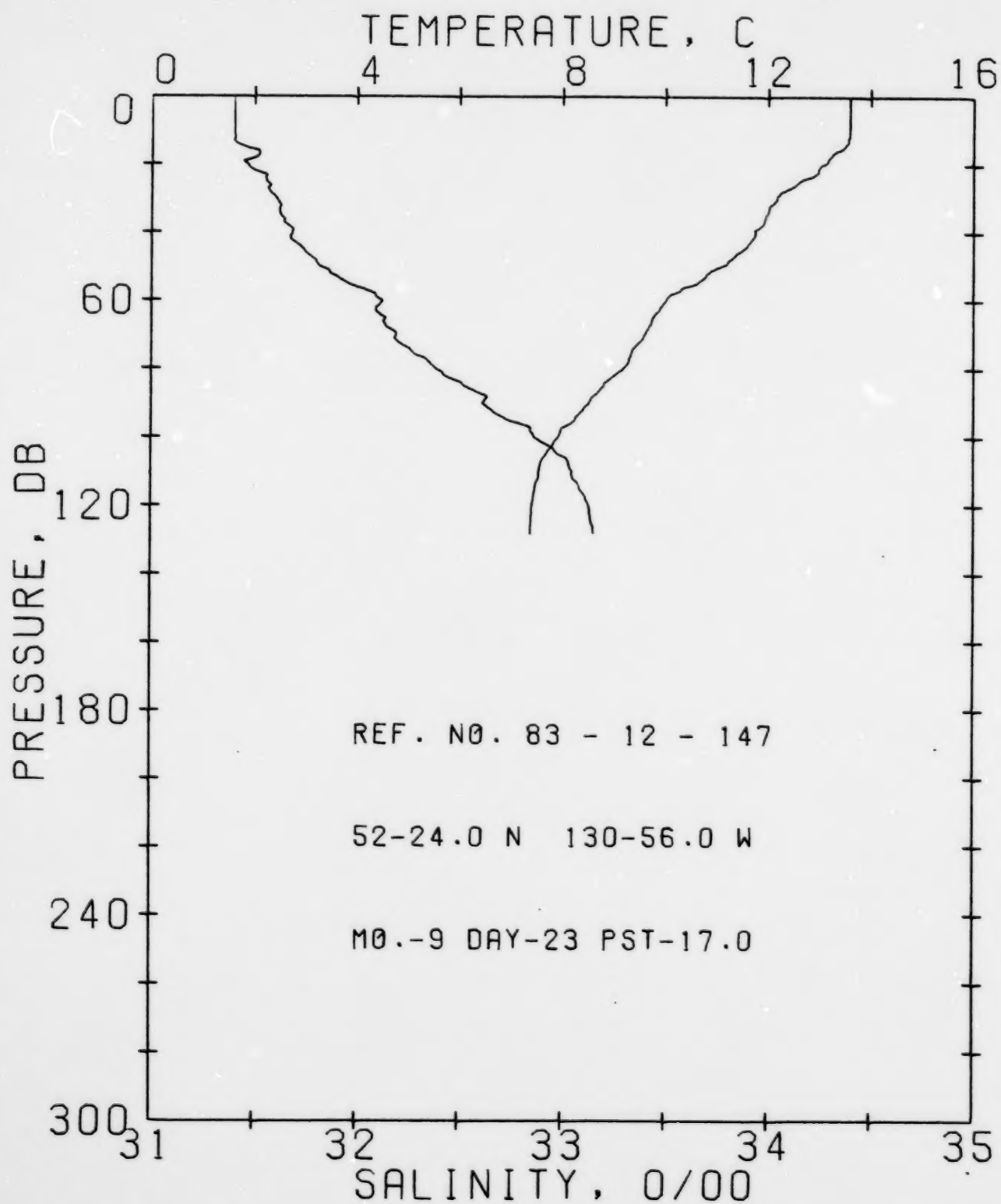
STATION M12

RESULTS OF STP CAST 98 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.11 | 31.44 | 0     | 23.65      | 425.6 | .00        | .00        | 1497. |
| 10    | 13.11 | 31.45 | 10    | 23.65      | 425.4 | .43        | .02        | 1497. |
| 20    | 12.53 | 31.63 | 20    | 23.90      | 402.0 | .84        | .09        | 1495. |
| 30    | 12.13 | 31.66 | 30    | 24.00      | 392.9 | 1.24       | .19        | 1494. |
| 50    | 11.58 | 31.79 | 50    | 24.20      | 374.1 | 2.01       | .50        | 1493. |
| 75    | 10.28 | 32.18 | 75    | 24.73      | 323.8 | 2.88       | 1.05       | 1489. |
| 100   | 8.76  | 32.63 | 99    | 25.33      | 267.0 | 3.62       | 1.70       | 1484. |

294



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-147

DATE 23/ 9/83

POSITION 52-24.0N, 130-56.0W 17.0

STATION M11

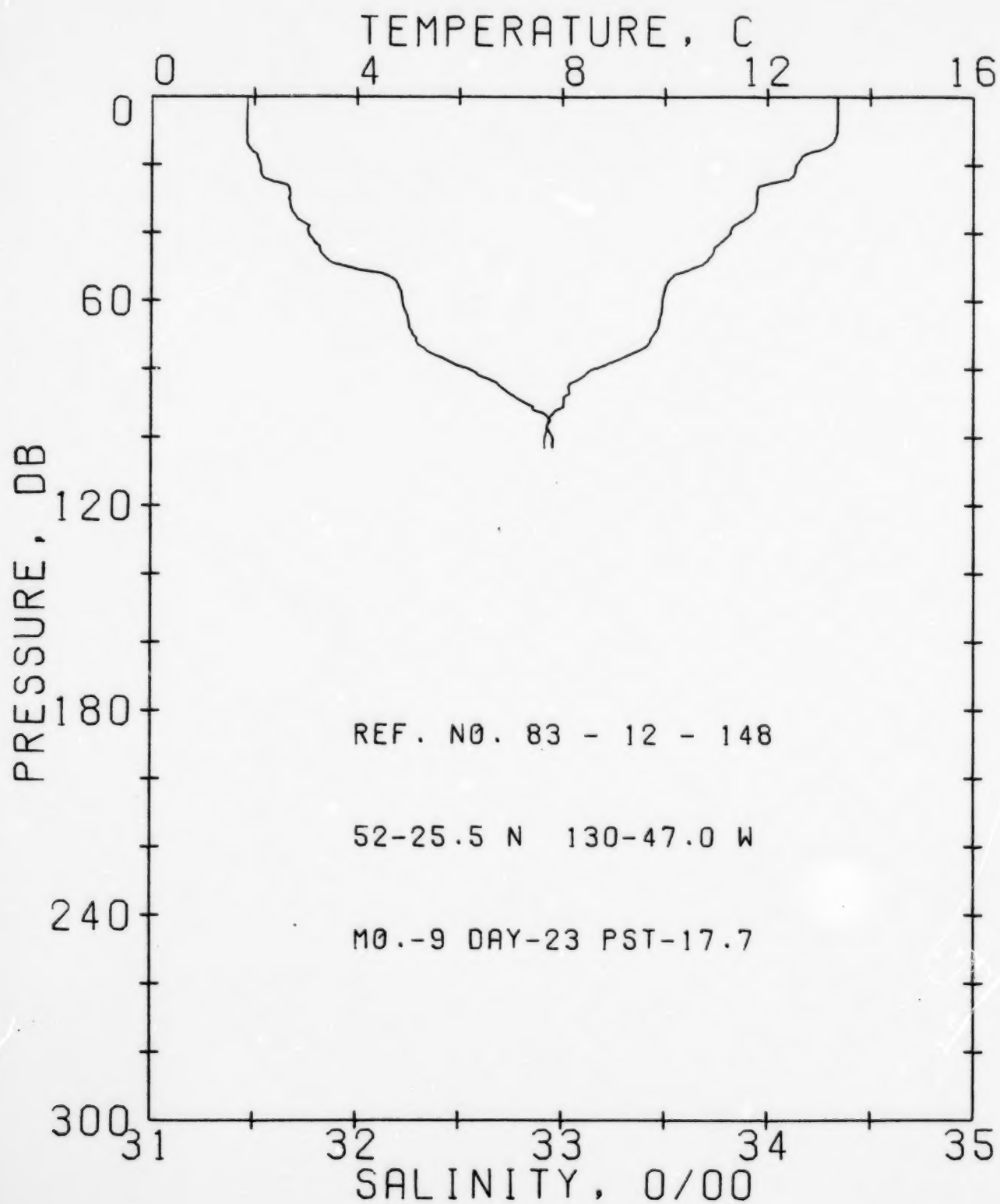
RESULTS OF STP CAST 129 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.59 | 31.40 | 0     | 23.52      | 438.0 | .00        | .00        | 1498. |
| 10    | 13.60 | 31.40 | 10    | 23.52      | 438.2 | .44        | .02        | 1499. |
| 20    | 13.03 | 31.47 | 20    | 23.68      | 423.0 | .87        | .09        | 1497. |
| 30    | 12.19 | 31.61 | 30    | 23.95      | 397.4 | 1.28       | .19        | 1494. |
| 50    | 11.05 | 31.82 | 50    | 24.32      | 362.7 | 2.04       | .50        | 1491. |
| 75    | 9.35  | 32.27 | 75    | 24.95      | 302.5 | 2.86       | 1.02       | 1486. |
| 100   | 7.92  | 32.87 | 99    | 25.64      | 237.7 | 3.54       | 1.62       | 1481. |
| 125   | 7.39  | 33.14 | 124   | 25.93      | 210.5 | 4.08       | 2.24       | 1480. |



296



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-148

DATE 23/ 9/83

POSITION 52-25.5N, 130-47.0W

17.7

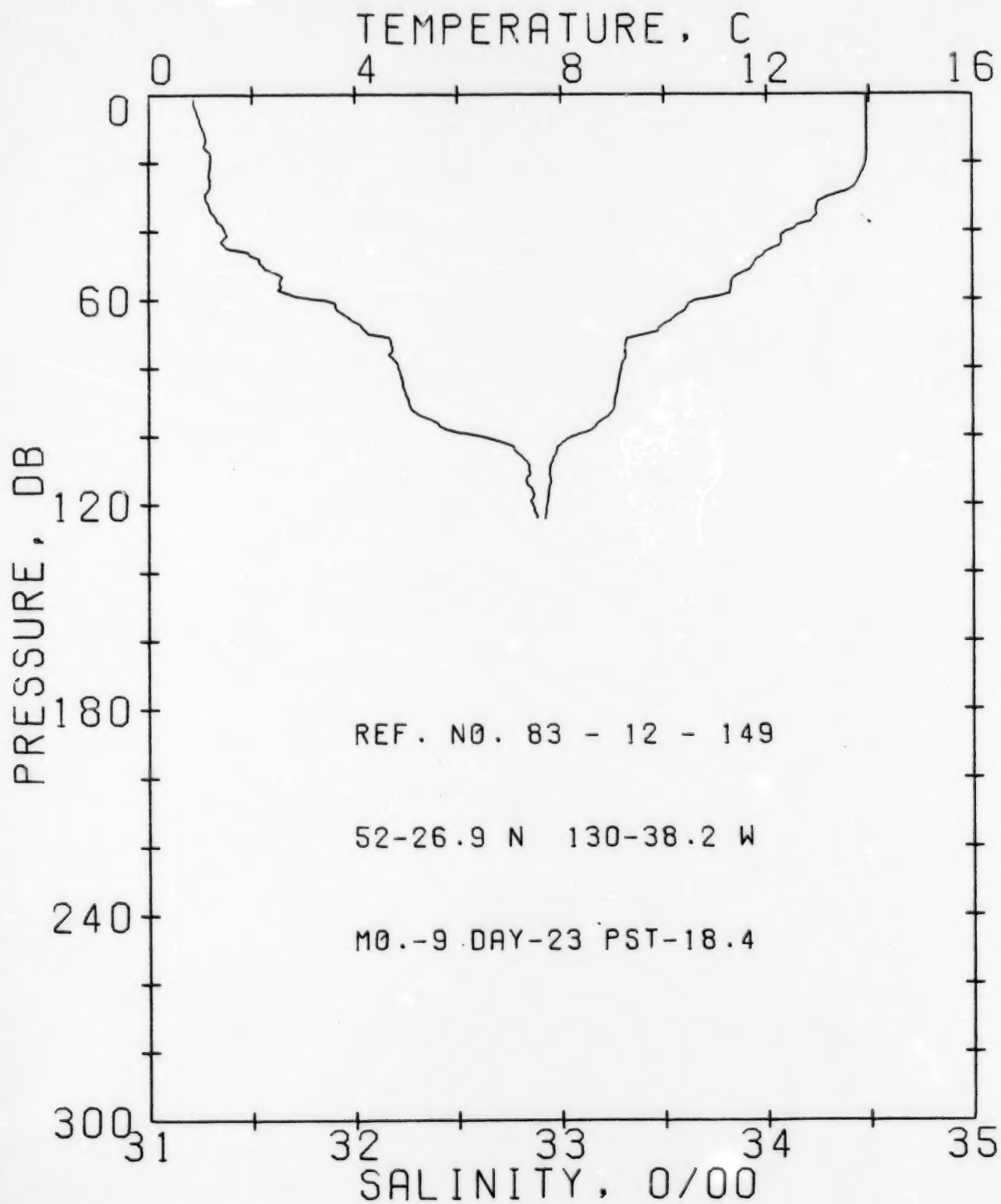
STATION M10

RESULTS OF STP CAST 104 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.36 | 31.47 | 0     | 23.61      | 428.9 | .00        | .00        | 1498. |
| 10    | 13.36 | 31.46 | 10    | 23.61      | 429.3 | .43        | .02        | 1498. |
| 20    | 12.55 | 31.53 | 20    | 23.82      | 409.7 | .85        | .09        | 1495. |
| 30    | 11.80 | 31.67 | 30    | 24.06      | 386.4 | 1.25       | .19        | 1493. |
| 50    | 10.59 | 31.95 | 50    | 24.50      | 345.1 | 1.99       | .49        | 1489. |
| 75    | 9.41  | 32.35 | 75    | 25.00      | 297.5 | 2.77       | .99        | 1486. |
| 100   | 7.65  | 32.95 | 99    | 25.74      | 227.6 | 3.40       | 1.54       | 1481. |

298



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-149

DATE 23/ 9/83

POSITION 52-26.9N, 130-38.2W

18.4

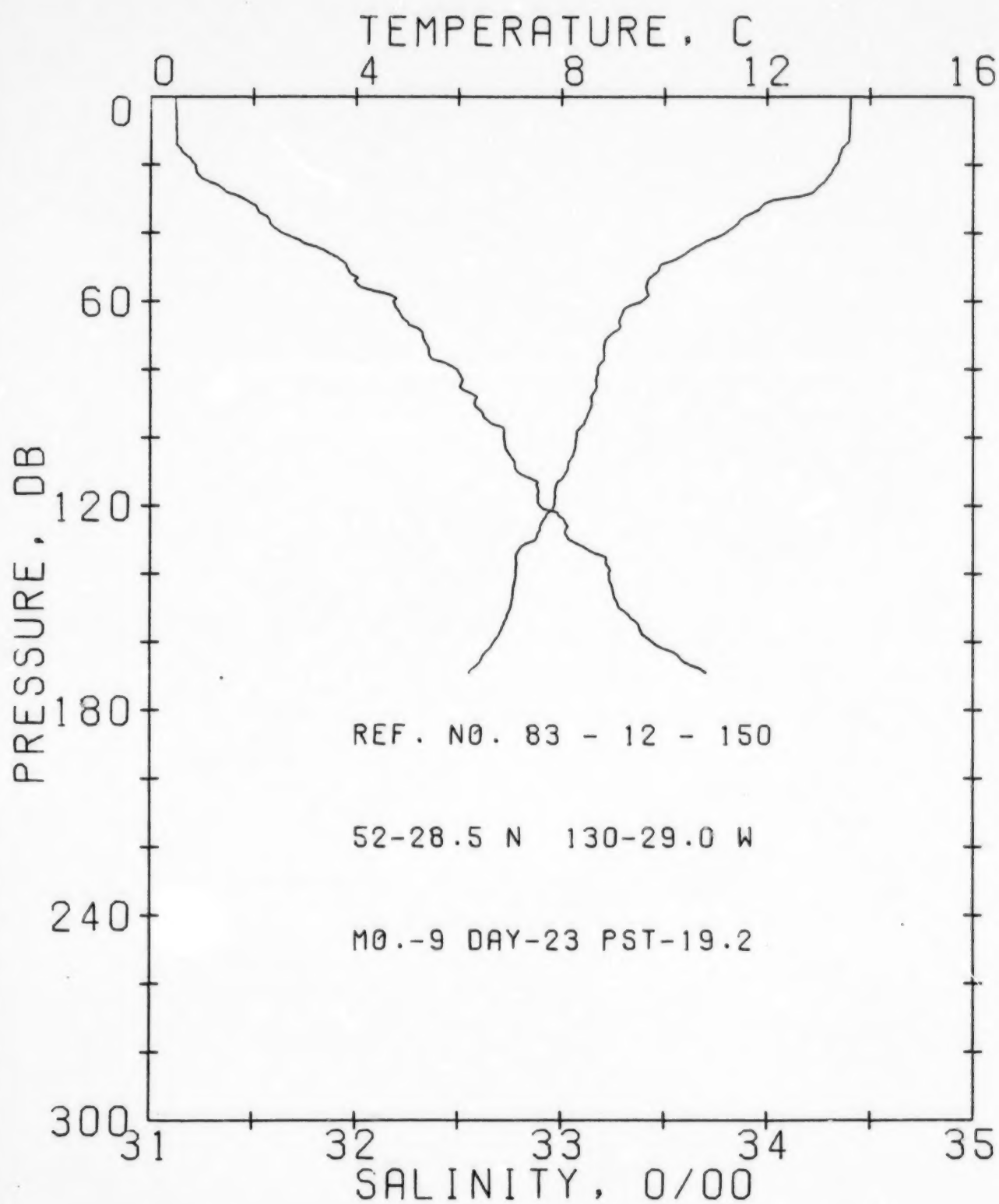
STATION M 9

RESULTS OF STP CAST 125 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.95 | 31.22 | 0     | 23.31      | 458.2 | .00        | .00        | 1499. |
| 10    | 13.96 | 31.26 | 10    | 23.34      | 455.3 | .46        | .02        | 1500. |
| 20    | 13.93 | 31.30 | 20    | 23.37      | 452.8 | .91        | .09        | 1500. |
| 30    | 13.18 | 31.27 | 30    | 23.50      | 440.3 | 1.36       | .21        | 1497. |
| 50    | 11.74 | 31.55 | 50    | 23.99      | 394.1 | 2.20       | .55        | 1493. |
| 75    | 9.24  | 32.18 | 75    | 24.90      | 307.4 | 3.07       | 1.10       | 1485. |
| 100   | 8.20  | 32.61 | 99    | 25.40      | 260.4 | 3.81       | 1.76       | 1482. |
| 125   | 7.69  | 32.89 | 124   | 25.68      | 233.6 | 4.43       | 2.46       | 1481. |

300



301

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-150

DATE 23/ 9/83

POSITION 52-28.5N, 130-29.0W

19.2

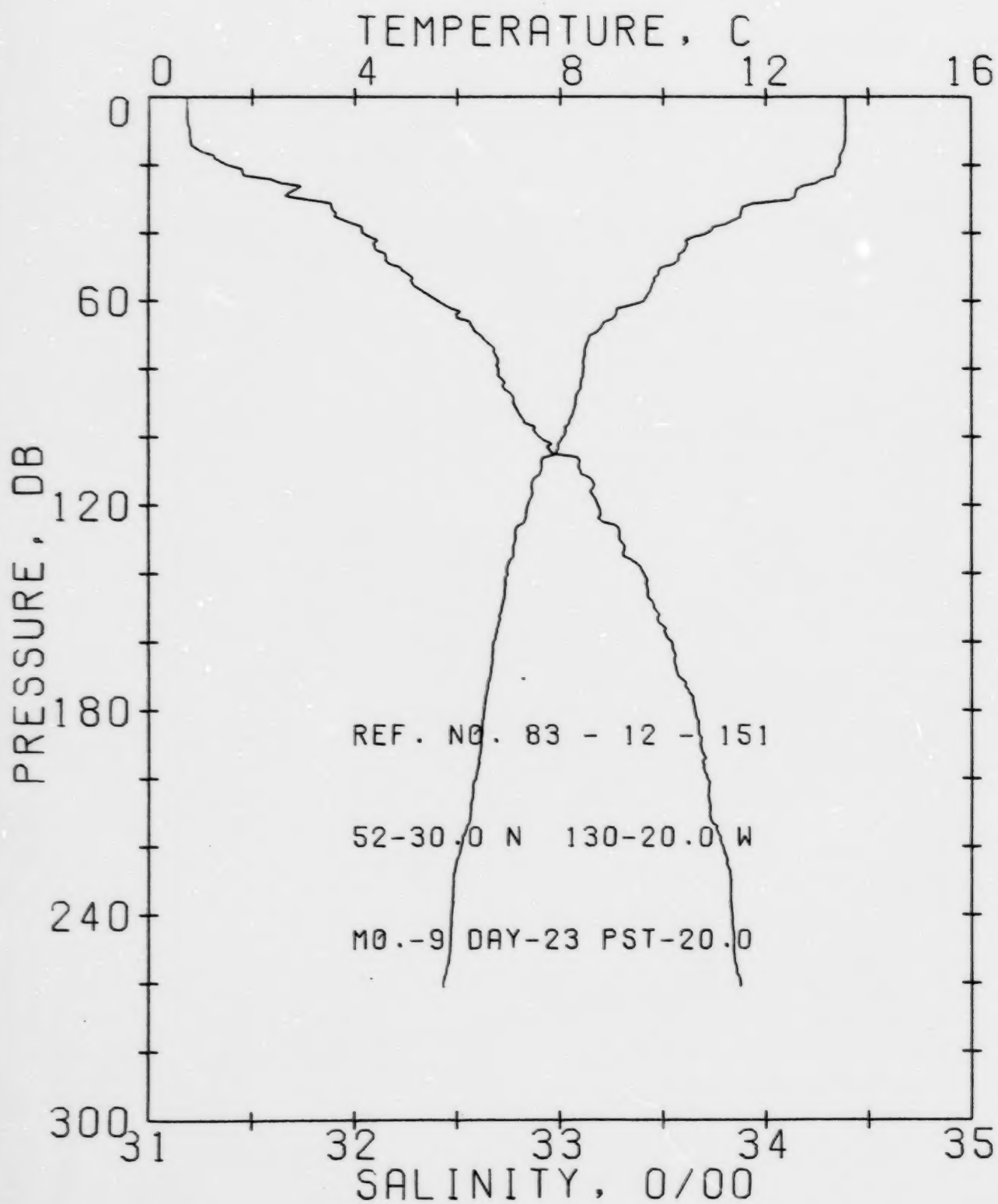
STATION M 8

RESULTS OF STP CAST 170 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.62 | 31.12 | 0     | 23.30      | 459.0 | .00        | .00        | 1498. |
| 10    | 13.60 | 31.13 | 10    | 23.30      | 458.6 | .46        | .02        | 1498. |
| 20    | 13.34 | 31.22 | 20    | 23.43      | 446.8 | .91        | .09        | 1498. |
| 30    | 12.15 | 31.46 | 30    | 23.84      | 407.7 | 1.35       | .20        | 1494. |
| 50    | 9.91  | 31.96 | 50    | 24.62      | 334.0 | 2.09       | .50        | 1487. |
| 75    | 8.83  | 32.36 | 75    | 25.10      | 288.3 | 2.86       | .99        | 1484. |
| 100   | 8.29  | 32.72 | 99    | 25.47      | 254.0 | 3.54       | 1.59       | 1483. |
| 125   | 7.62  | 33.02 | 124   | 25.80      | 222.6 | 4.14       | 2.28       | 1481. |
| 150   | 7.02  | 33.28 | 149   | 26.08      | 195.6 | 4.65       | 3.00       | 1479. |

302



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-151

DATE 23/ 9/83

POSITION 52-30.0N, 130-20.0W

20.0

STATION M 7

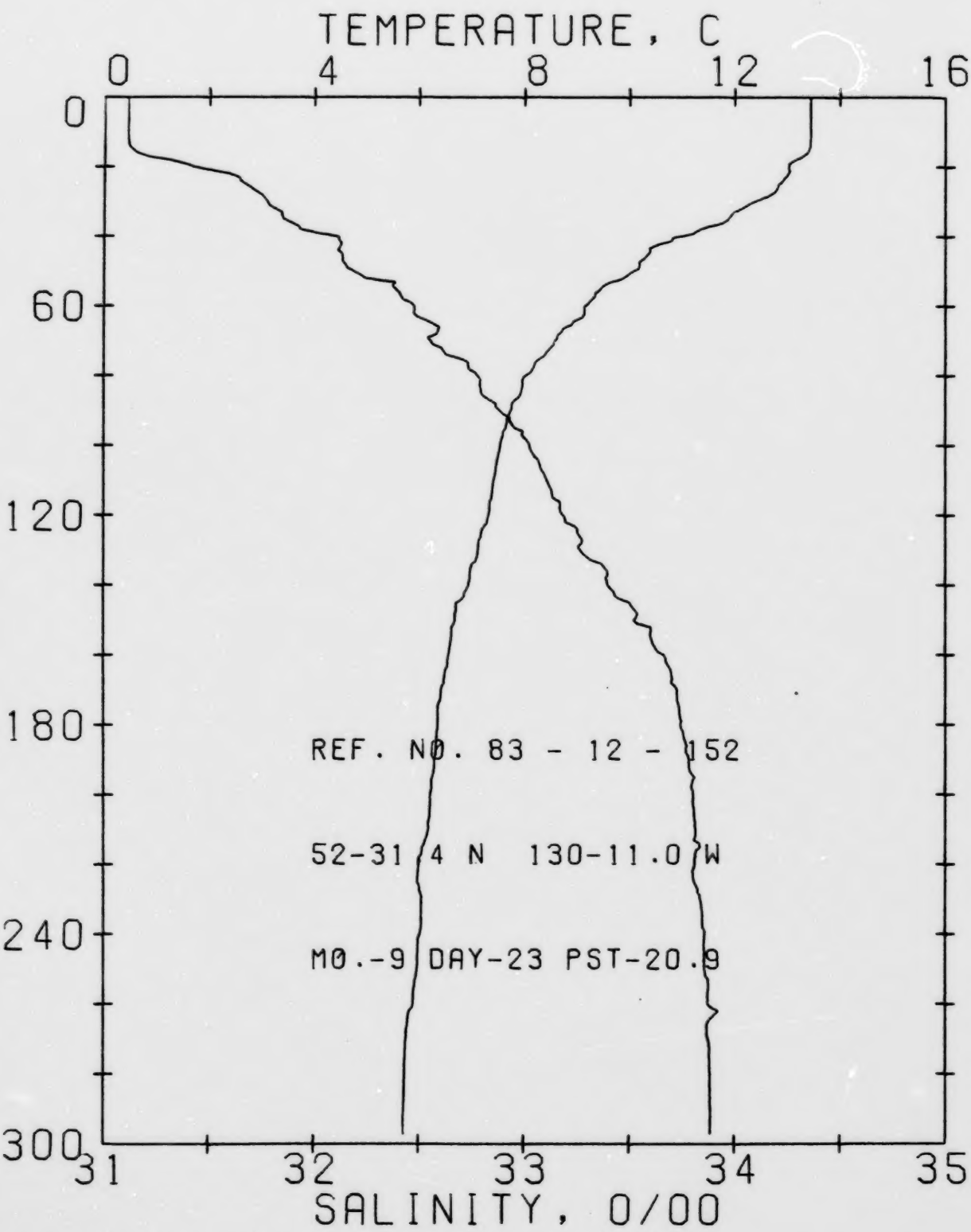
RESULTS OF STP CAST 262 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.55 | 31.19 | 0     | 23.36      | 453.0 | .00        | .00        | 1498. |
| 10    | 13.55 | 31.20 | 10    | 23.37      | 452.3 | .45        | .02        | 1498. |
| 20    | 13.42 | 31.39 | 20    | 23.54      | 436.1 | .90        | .09        | 1498. |
| 30    | 12.49 | 31.77 | 30    | 24.02      | 390.9 | 1.31       | .20        | 1496. |
| 50    | 9.94  | 32.22 | 50    | 24.82      | 314.7 | 2.00       | .47        | 1487. |
| 75    | 8.47  | 32.68 | 75    | 25.40      | 259.4 | 2.72       | .93        | 1483. |
| 100   | 8.05  | 32.90 | 99    | 25.64      | 237.1 | 3.34       | 1.49       | 1482. |
| 125   | 7.30  | 33.21 | 124   | 25.99      | 204.5 | 3.88       | 2.10       | 1480. |
| 150   | 6.87  | 33.45 | 149   | 26.24      | 180.7 | 4.36       | 2.76       | 1479. |
| 175   | 6.57  | 33.63 | 174   | 26.42      | 164.2 | 4.79       | 3.48       | 1478. |
| 200   | 6.36  | 33.71 | 199   | 26.51      | 155.4 | 5.19       | 4.24       | 1478. |
| 225   | 5.98  | 33.81 | 223   | 26.64      | 144.0 | 5.56       | 5.05       | 1477. |
| 250   | 5.86  | 33.84 | 248   | 26.68      | 140.5 | 5.92       | 5.91       | 1477. |



304



305

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-152

DATE 23/ 9/83

POSITION 52-31.4N, 130-11.0W

20.9

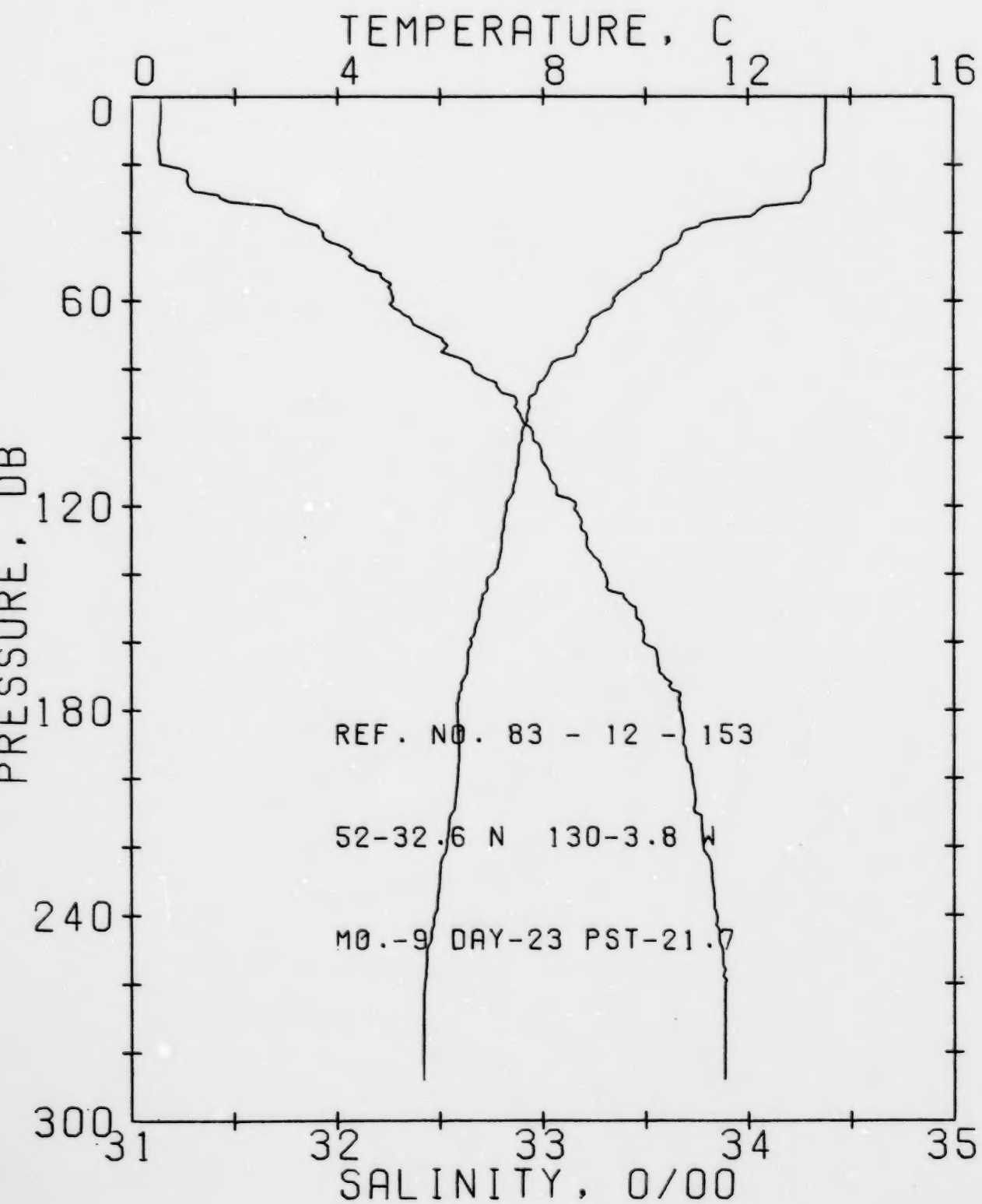
STATION M 6

RESULTS OF STP CAST 298 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.45 | 31.11 | 0     | 23.33      | 456.3 | .00        | .00        | 1498. |
| 10    | 13.44 | 31.11 | 10    | 23.32      | 456.7 | .46        | .02        | 1498. |
| 20    | 13.02 | 31.43 | 20    | 23.65      | 425.6 | .90        | .09        | 1497. |
| 30    | 12.35 | 31.78 | 30    | 24.05      | 387.9 | 1.31       | .19        | 1495. |
| 50    | 10.05 | 32.19 | 50    | 24.78      | 318.8 | 2.01       | .48        | 1488. |
| 75    | 8.27  | 32.70 | 75    | 25.45      | 255.1 | 2.71       | .92        | 1482. |
| 100   | 7.53  | 33.02 | 99    | 25.81      | 220.7 | 3.31       | 1.45       | 1480. |
| 125   | 7.18  | 33.25 | 124   | 26.04      | 199.6 | 3.83       | 2.05       | 1479. |
| 150   | 6.68  | 33.51 | 149   | 26.32      | 173.7 | 4.30       | 2.71       | 1478. |
| 175   | 6.35  | 33.74 | 174   | 26.53      | 153.4 | 4.70       | 3.37       | 1478. |
| 200   | 6.21  | 33.80 | 199   | 26.60      | 147.1 | 5.08       | 4.09       | 1478. |
| 225   | 5.96  | 33.81 | 223   | 26.64      | 143.9 | 5.44       | 4.88       | 1477. |
| 250   | 5.97  | 33.86 | 248   | 26.68      | 140.6 | 5.80       | 5.73       | 1478. |
| 300   | 5.70  | 33.88 | 298   | 26.73      | 135.9 | 6.49       | 7.67       | 1477. |

306



307

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-153

DATE 23/ 9/83

POSITION 52-32.6N, 130- 3.8W

21.7

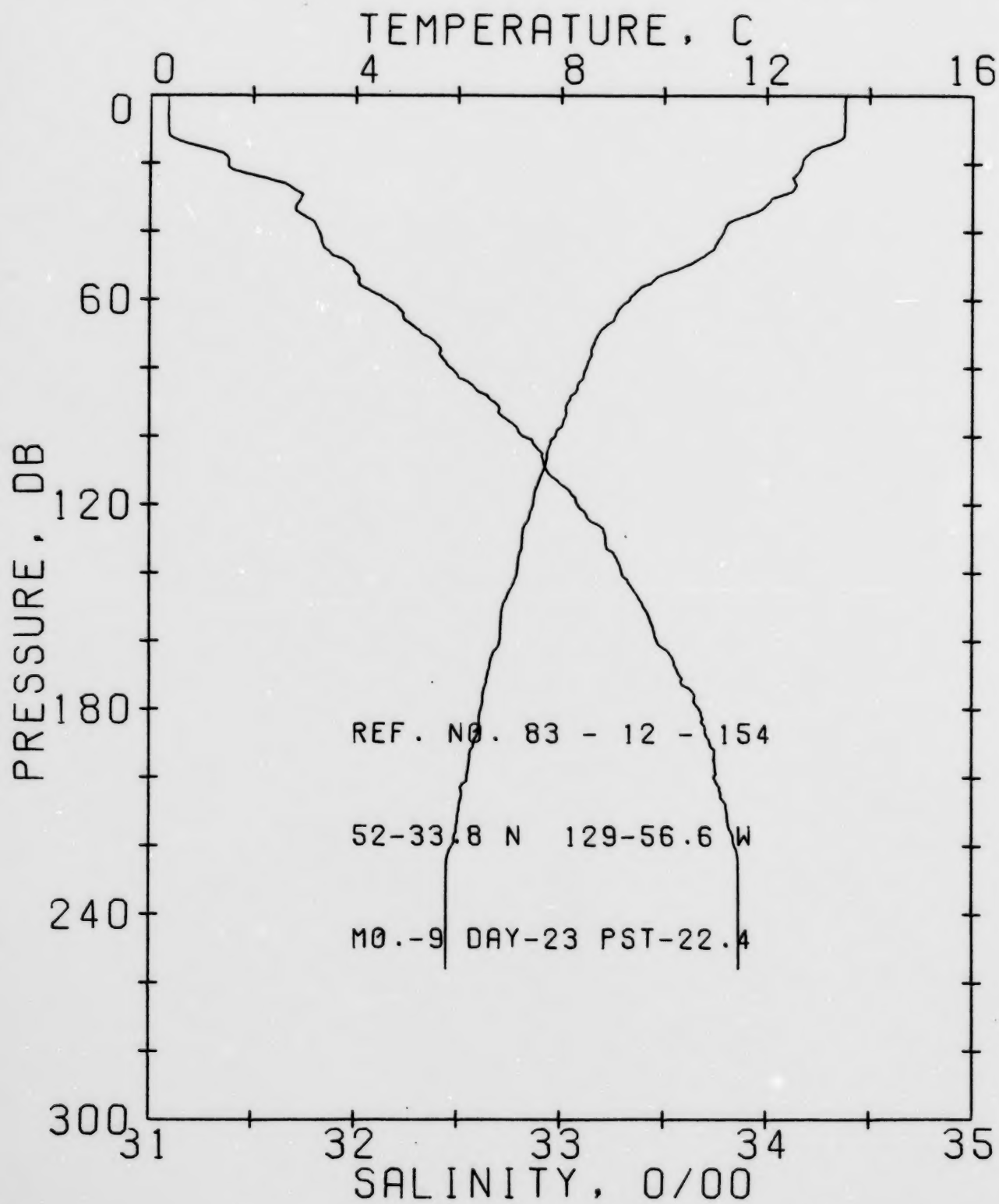
STATION M 5

RESULTS OF STP CAST 289 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.53 | 31.14 | 0     | 23.33      | 455.9 | .00        | .00        | 1498. |
| 10    | 13.52 | 31.13 | 10    | 23.33      | 456.5 | .46        | .02        | 1498. |
| 20    | 13.50 | 31.14 | 20    | 23.33      | 456.0 | .91        | .09        | 1498. |
| 30    | 13.09 | 31.43 | 30    | 23.64      | 426.8 | 1.35       | .20        | 1497. |
| 50    | 10.16 | 32.14 | 50    | 24.72      | 324.5 | 2.07       | .49        | 1488. |
| 75    | 8.65  | 32.50 | 75    | 25.24      | 274.8 | 2.81       | .96        | 1483. |
| 100   | 7.60  | 32.95 | 99    | 25.75      | 226.9 | 3.42       | 1.50       | 1480. |
| 125   | 7.24  | 33.19 | 124   | 25.98      | 205.0 | 3.96       | 2.12       | 1480. |
| 150   | 6.76  | 33.45 | 149   | 26.26      | 179.3 | 4.45       | 2.81       | 1479. |
| 175   | 6.37  | 33.67 | 174   | 26.48      | 158.4 | 4.88       | 3.51       | 1478. |
| 200   | 6.34  | 33.73 | 199   | 26.53      | 154.3 | 5.27       | 4.26       | 1478. |
| 225   | 6.01  | 33.82 | 223   | 26.64      | 143.6 | 5.64       | 5.08       | 1477. |
| 250   | 5.74  | 33.87 | 248   | 26.72      | 136.4 | 6.00       | 5.93       | 1477. |

308



309

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-154

DATE 23/ 9/83

POSITION 52-33.8N, 129-56.6W

22.4

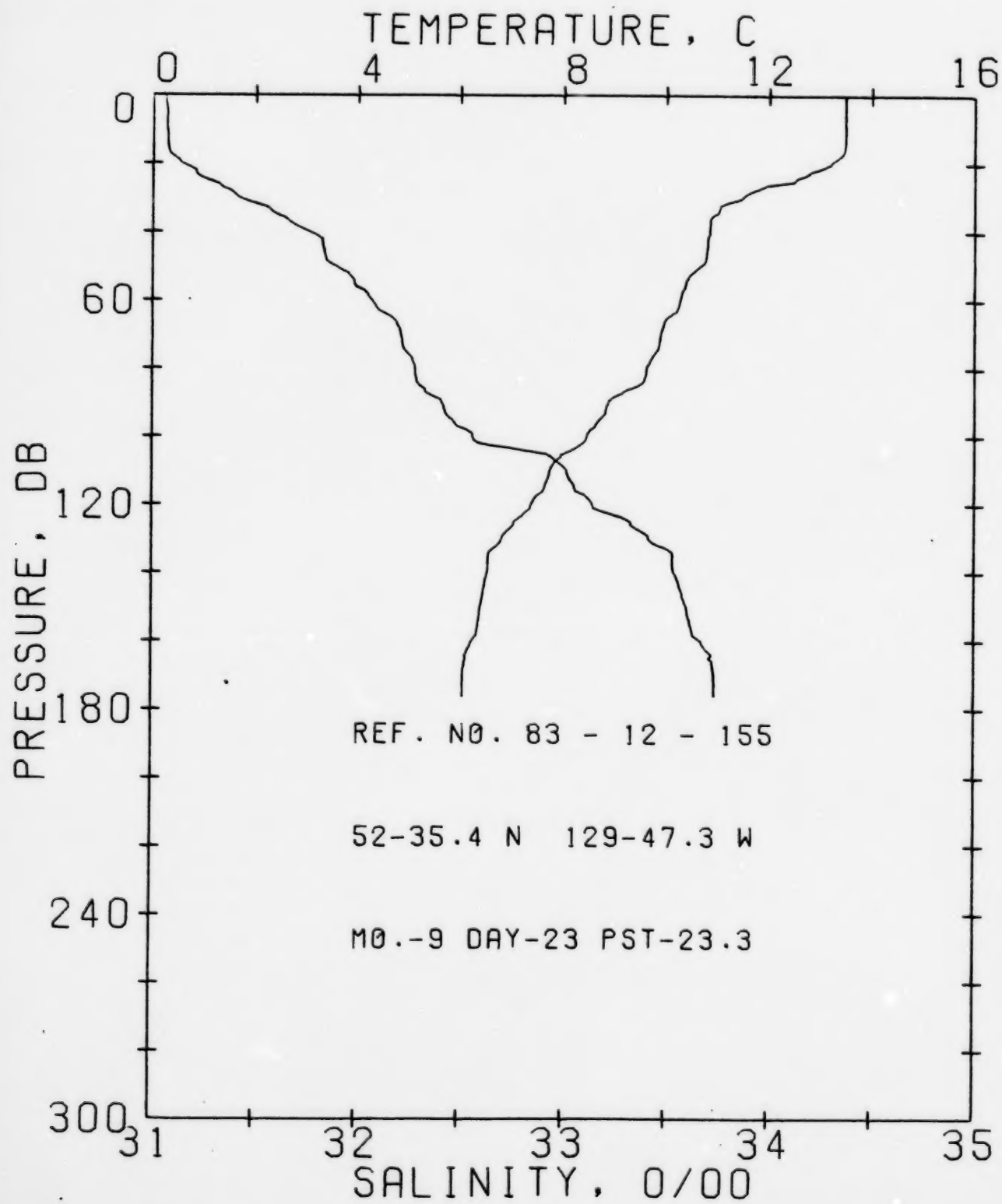
STATION M 4

RESULTS OF STP CAST 257 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.54 | 31.09 | 0     | 23.29      | 460.0 | .00        | .00        | 1498. |
| 10    | 13.52 | 31.09 | 10    | 23.29      | 459.9 | .46        | .02        | 1498. |
| 20    | 12.71 | 31.38 | 20    | 23.68      | 423.3 | .90        | .09        | 1496. |
| 30    | 12.11 | 31.74 | 30    | 24.06      | 386.8 | 1.31       | .19        | 1494. |
| 50    | 10.42 | 31.98 | 50    | 24.55      | 340.0 | 2.04       | .49        | 1489. |
| 75    | 8.59  | 32.42 | 75    | 25.19      | 280.2 | 2.81       | .98        | 1483. |
| 100   | 7.90  | 32.82 | 99    | 25.60      | 241.3 | 3.46       | 1.56       | 1481. |
| 125   | 7.36  | 33.15 | 124   | 25.94      | 209.5 | 4.02       | 2.20       | 1480. |
| 150   | 6.88  | 33.40 | 149   | 26.20      | 184.8 | 4.51       | 2.89       | 1479. |
| 175   | 6.50  | 33.64 | 174   | 26.44      | 162.1 | 4.95       | 3.61       | 1478. |
| 200   | 6.19  | 33.74 | 199   | 26.56      | 151.2 | 5.34       | 4.35       | 1477. |
| 225   | 5.80  | 33.87 | 223   | 26.71      | 137.4 | 5.70       | 5.13       | 1476. |
| 250   | 5.78  | 33.87 | 248   | 26.71      | 137.5 | 6.04       | 5.96       | 1477. |

310



311

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-155

DATE 23/ 9/83

POSITION 52-35.4N, 129-47.3W

23.3

STATION M 3

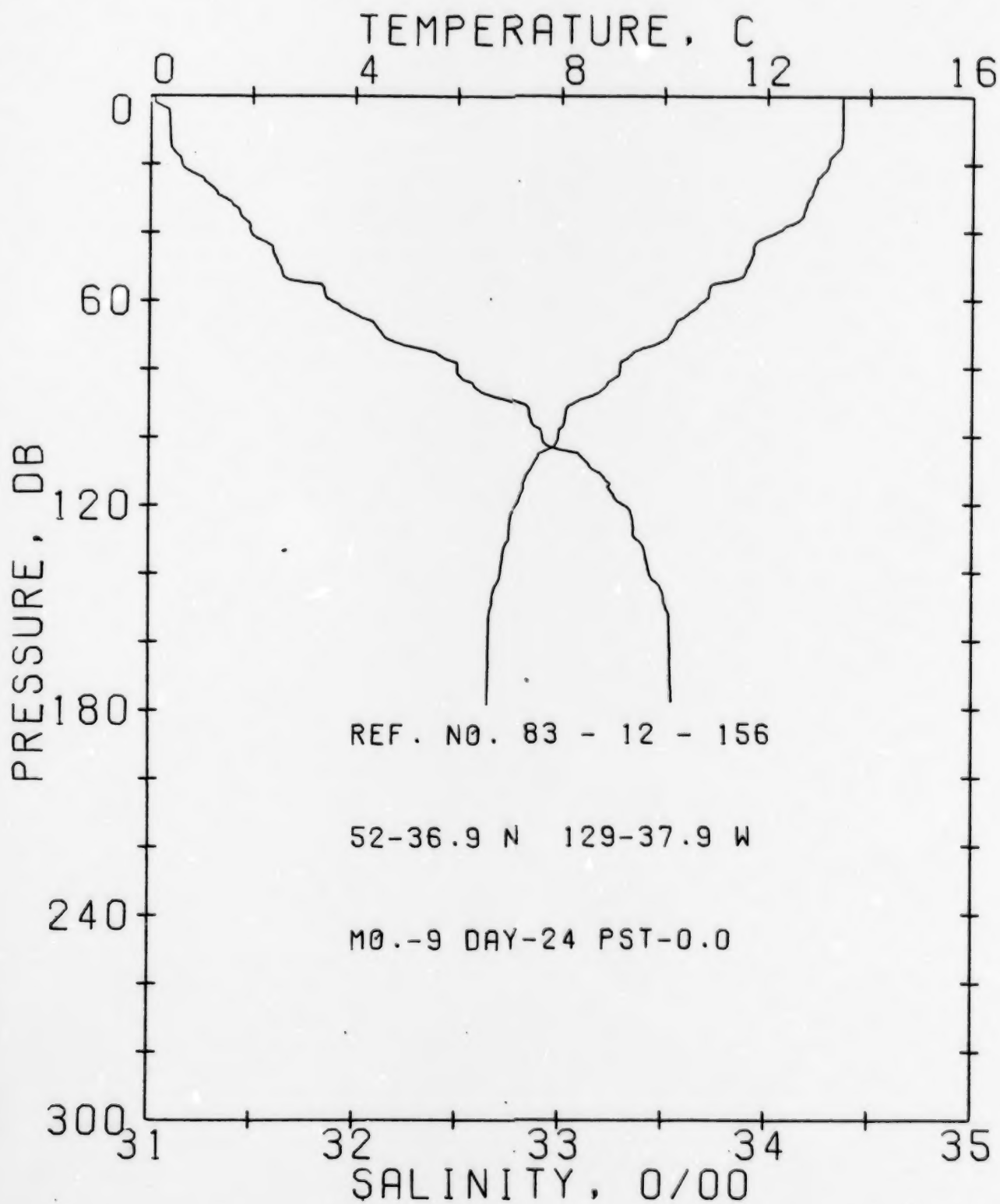
RESULTS OF STP CAST 177 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.49 | 31.06 | 0     | 23.28      | 460.8 | .00        | .00        | 1498. |
| 10    | 13.49 | 31.07 | 10    | 23.28      | 460.6 | .46        | .02        | 1498. |
| 20    | 13.20 | 31.14 | 20    | 23.40      | 450.1 | .92        | .09        | 1497. |
| 30    | 11.47 | 31.42 | 30    | 23.94      | 398.7 | 1.34       | .20        | 1492. |
| 50    | 10.64 | 31.89 | 50    | 24.45      | 350.5 | 2.08       | .50        | 1490. |
| 75    | 9.80  | 32.24 | 75    | 24.85      | 311.9 | 2.90       | 1.02       | 1487. |
| 100   | 8.47  | 32.56 | 99    | 25.32      | 268.2 | 3.63       | 1.67       | 1483. |
| 125   | 7.06  | 33.33 | 124   | 26.12      | 192.0 | 4.19       | 2.31       | 1479. |
| 150   | 6.41  | 33.60 | 149   | 26.42      | 163.6 | 4.62       | 2.91       | 1477. |
| 175   | 6.07  | 33.74 | 174   | 26.57      | 149.8 | 5.01       | 3.56       | 1477. |



3/2



313

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-156

DATE 24/ 9/83

POSITION 52-36.9N, 129-37.9W

.0

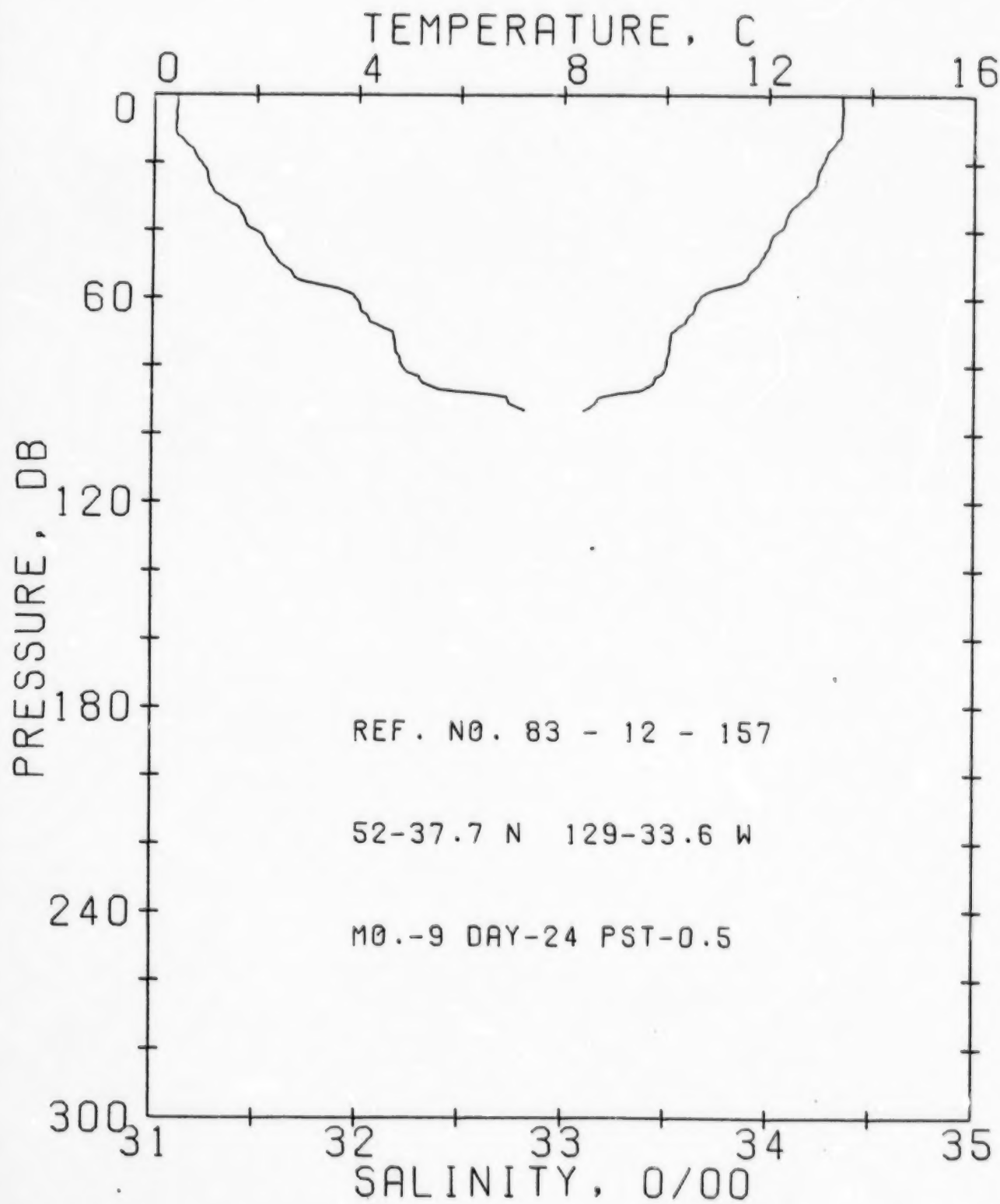
STATION M 2

RESULTS OF STP CAST 179 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.46 | 31.02 | 0     | 23.25      | 463.4 | .00        | .00        | 1497. |
| 10    | 13.46 | 31.09 | 10    | 23.31      | 458.3 | .46        | .02        | 1498. |
| 20    | 13.20 | 31.15 | 20    | 23.40      | 449.2 | .91        | .09        | 1497. |
| 30    | 12.82 | 31.37 | 30    | 23.64      | 426.6 | 1.35       | .20        | 1496. |
| 50    | 11.62 | 31.64 | 50    | 24.07      | 385.9 | 2.16       | .53        | 1493. |
| 75    | 9.44  | 32.40 | 75    | 25.04      | 294.5 | 3.02       | 1.08       | 1486. |
| 100   | 7.96  | 32.91 | 99    | 25.66      | 235.1 | 3.68       | 1.66       | 1482. |
| 125   | 7.02  | 33.35 | 124   | 26.14      | 189.8 | 4.20       | 2.25       | 1479. |
| 150   | 6.66  | 33.51 | 149   | 26.32      | 173.6 | 4.65       | 2.89       | 1478. |
| 175   | 6.60  | 33.54 | 174   | 26.35      | 170.9 | 5.08       | 3.60       | 1478. |

314

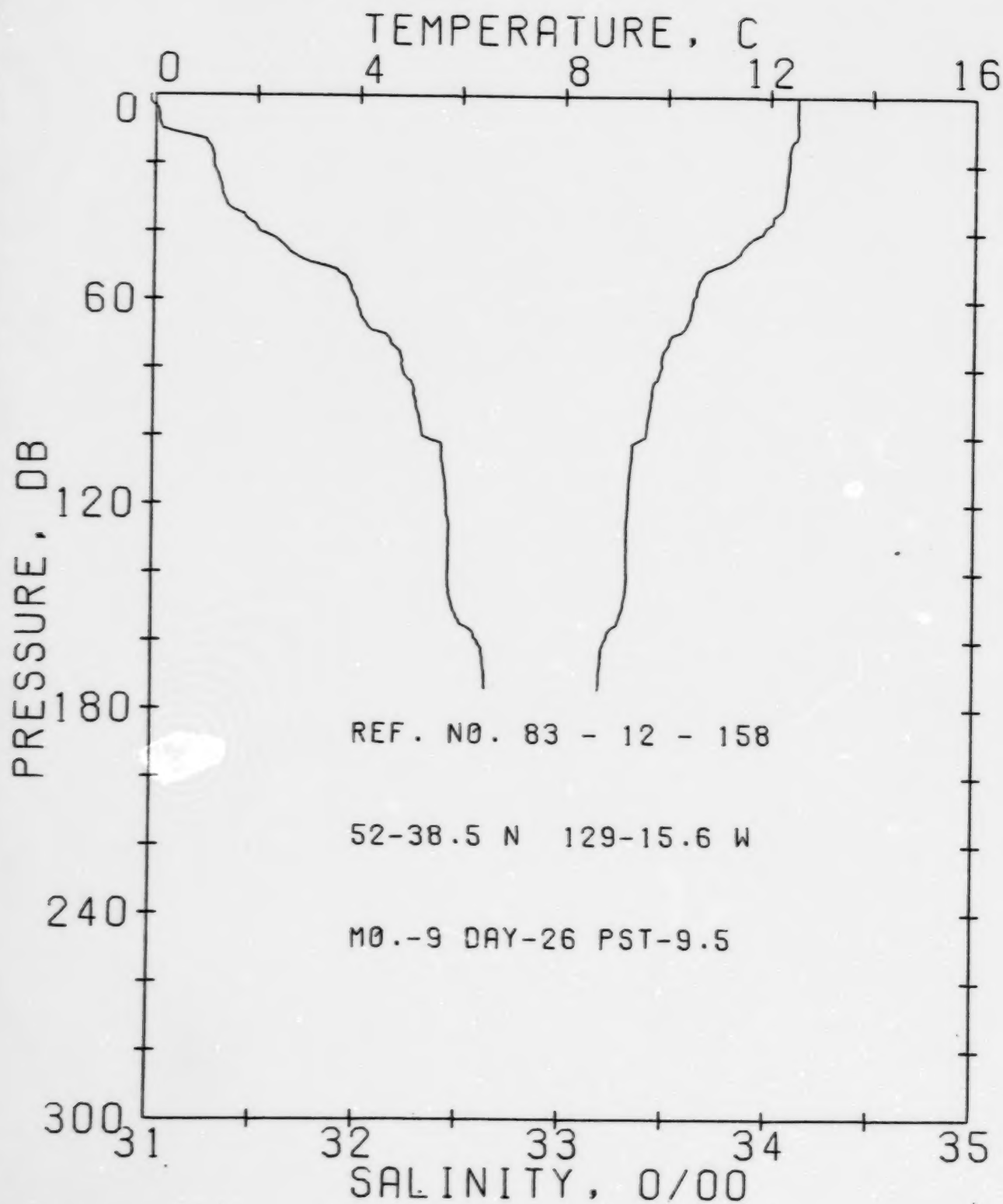


315

OFFSHORE OCEANOGRAPHY GROUP  
 REFERENCE NO. 83-12-157 DATE 24/ 9/83  
 POSITION 52-37.7N, 129-33.6W .5 STATION M 1  
 RESULTS OF STP CAST 94 POINTS TAKEN FROM DIGITAL SYSTEM  
 GUIDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.43 | 31.11 | 0     | 23.33      | 456.0 | .00        | .00        | 1497. |
| 10    | 13.42 | 31.11 | 10    | 23.32      | 456.7 | .46        | .02        | 1498. |
| 20    | 13.05 | 31.23 | 20    | 23.49      | 440.6 | .91        | .09        | 1497. |
| 30    | 12.68 | 31.33 | 30    | 23.64      | 426.7 | 1.34       | .20        | 1496. |
| 50    | 11.80 | 31.62 | 50    | 24.03      | 390.2 | 2.15       | .53        | 1493. |
| 75    | 10.07 | 32.18 | 75    | 24.77      | 320.1 | 3.02       | 1.08       | 1488. |

3/6



317

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-158

DATE 26/ 9/83

POSITION 52-38.5N, 129-15.6W

9.5

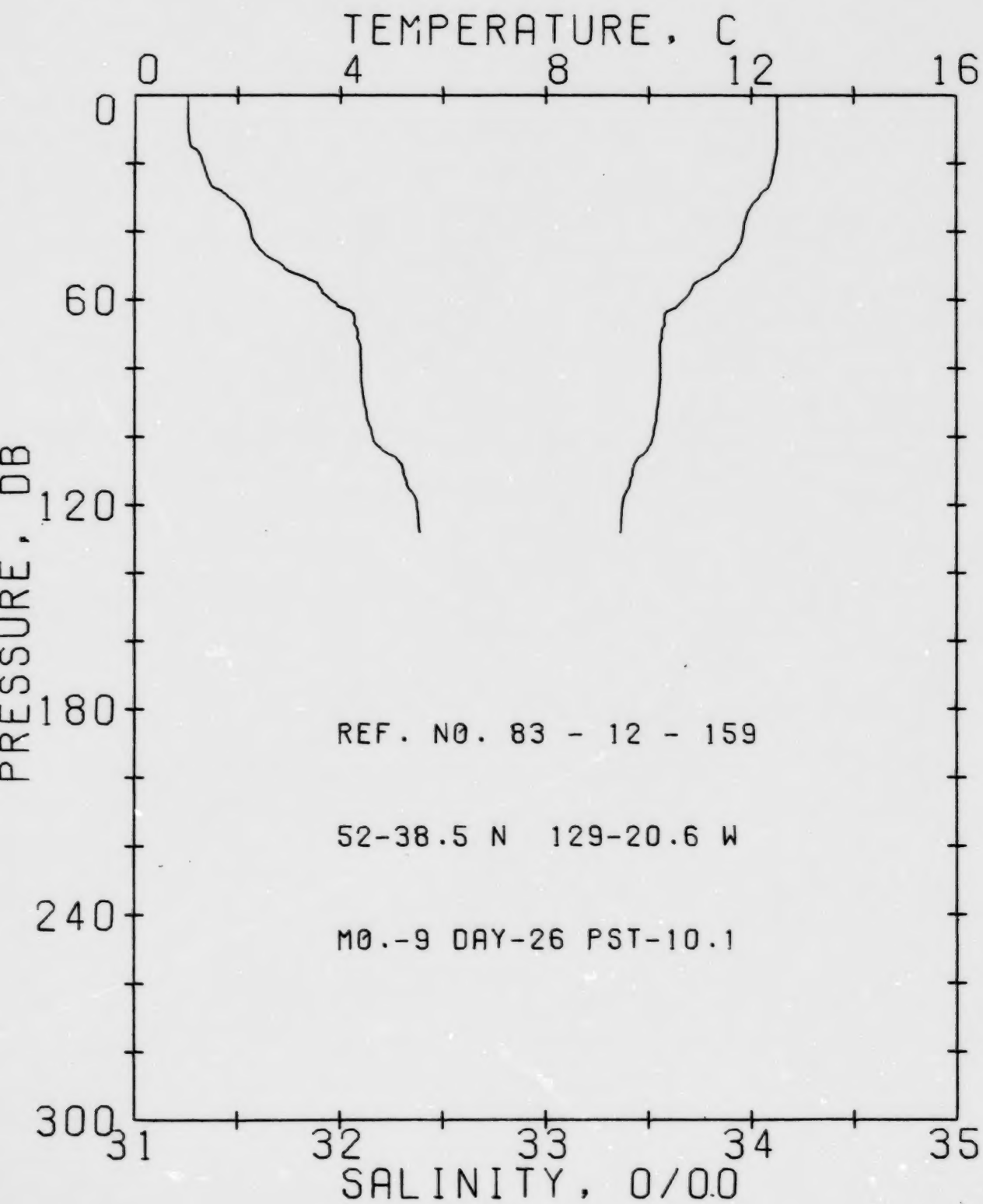
STATION MB

RESULTS OF STP CAST 175 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 12.53 | 30.98 | 0     | 23.40      | 449.6 | .00        | .00        | 1494. |
| 10    | 12.54 | 31.04 | 10    | 23.44      | 445.4 | .45        | .02        | 1495. |
| 20    | 12.37 | 31.29 | 20    | 23.67      | 424.2 | .88        | .09        | 1494. |
| 30    | 12.30 | 31.34 | 30    | 23.72      | 419.2 | 1.30       | .20        | 1494. |
| 50    | 10.93 | 31.84 | 50    | 24.35      | 359.5 | 2.09       | .52        | 1491. |
| 75    | 9.94  | 32.20 | 75    | 24.81      | 316.6 | 2.93       | 1.05       | 1488. |
| 100   | 9.61  | 32.32 | 99    | 24.95      | 303.6 | 3.71       | 1.74       | 1487. |
| 125   | 9.24  | 32.45 | 124   | 25.11      | 288.8 | 4.44       | 2.58       | 1486. |
| 150   | 9.18  | 32.47 | 149   | 25.13      | 286.7 | 5.16       | 3.59       | 1487. |
| 175   | 8.73  | 32.63 | 174   | 25.33      | 268.2 | 5.85       | 4.73       | 1485. |

318



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-159

DATE 26/ 9/83

POSITION 52-38.5N, 129-20.6W

10.1

STATION MO

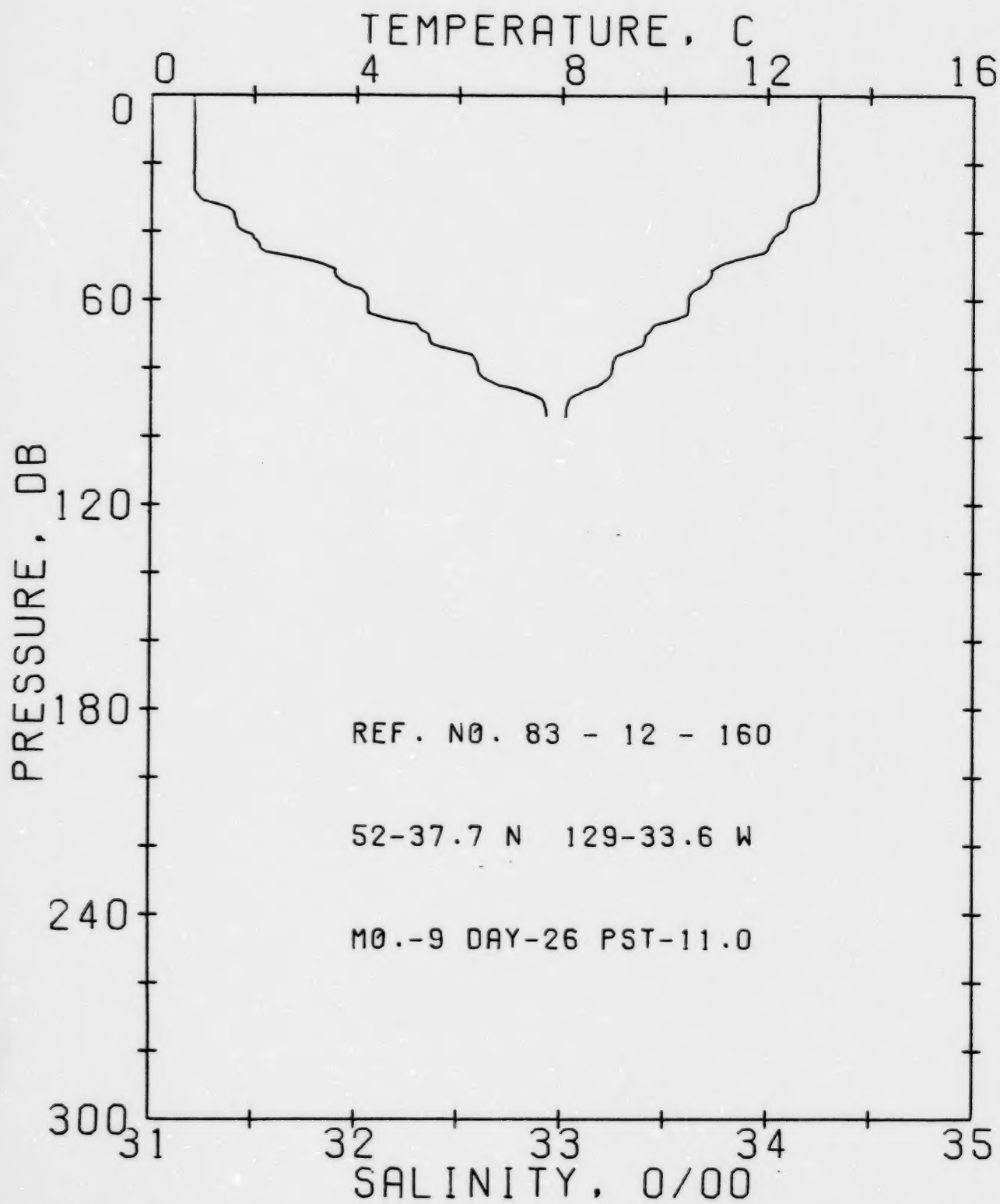
RESULTS OF STP CAST 129 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| C     | 12.51 | 31.26 | 0     | 23.62      | 428.5 | .00        | .00        | 1495. |
| 10    | 12.52 | 31.26 | 10    | 23.62      | 428.7 | .43        | .02        | 1495. |
| 20    | 12.46 | 31.33 | 20    | 23.68      | 422.5 | .85        | .09        | 1495. |
| 30    | 12.15 | 31.46 | 30    | 23.84      | 407.8 | 1.27       | .19        | 1494. |
| 50    | 11.40 | 31.72 | 50    | 24.18      | 375.7 | 2.06       | .51        | 1492. |
| 75    | 10.22 | 32.10 | 75    | 24.68      | 328.6 | 2.92       | 1.06       | 1489. |
| 100   | 10.08 | 32.16 | 99    | 24.75      | 322.6 | 3.74       | 1.79       | 1489. |
| 125   | 9.46  | 32.38 | 124   | 25.02      | 296.8 | 4.50       | 2.66       | 1487. |



320



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83-12-160

DATE 26/ 9/83

POSITION 52-37.7N, 129-33.6W

11.0

STATION M 1

RESULTS OF STP CAST 95 POINTS TAKEN FROM DIGITAL SYSTEM

GUILDLINE WAS USED, PRESSURES ARE INPUT

| PRESS | TEMP  | SAL   | DEPTH | SIGMA<br>T | SVA   | DELTA<br>D | POT.<br>EN | SOUND |
|-------|-------|-------|-------|------------|-------|------------|------------|-------|
| 0     | 13.01 | 31.21 | 0     | 23.48      | 441.2 | .00        | .00        | 1496. |
| 10    | 13.00 | 31.21 | 10    | 23.49      | 441.2 | .44        | .02        | 1496. |
| 20    | 12.99 | 31.21 | 20    | 23.49      | 441.2 | .88        | .09        | 1496. |
| 30    | 12.95 | 31.24 | 30    | 23.52      | 438.6 | 1.32       | .20        | 1496. |
| 50    | 11.03 | 31.86 | 50    | 24.35      | 359.4 | 2.14       | .53        | 1491. |
| 75    | 9.24  | 32.50 | 75    | 25.15      | 283.8 | 2.95       | 1.05       | 1486. |



323

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 48

DATE 12/ 9/83

POSITION 53- 3.8 N, 132-37.7 W

HYDROGRAPHIC CAST DATA

8.3

STATION C001

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.879 | 6.294 |
| 10    |      | 31.894 | 6.133 |
| 20    |      | 31.957 | 6.067 |
| 30    |      | 32.196 | 5.816 |
| 50    |      | 32.502 | 5.951 |
| 75    |      | 32.673 | 5.791 |
| 100   |      | 32.665 | 5.829 |
| 125   |      | 33.375 | 3.900 |
| 150   |      | 33.589 | 3.255 |
| 195   |      | 33.780 | 2.960 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 49

DATE 12/ 9/83

POSITION 53- .6 N, 132-40.5 W

HYDROGRAPHIC CAST DATA

10.2

STATION C002

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.883 | 6.256 |
| 10    |      | 31.897 | 6.123 |
| 30    |      | 31.966 | 6.030 |
| 80    |      | 32.552 | 5.729 |
| 100   |      | 32.917 | 4.819 |
| 150   |      | 33.461 | 3.680 |
| 200   |      | 33.848 | 2.953 |
| 400   |      | 33.953 | 2.082 |
| 1210  |      | 34.431 | .477  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 50

DATE 12/ 9/83

POSITION 52-20.3 N, 132-18.6 W

HYDROGRAPHIC CAST DATA

20.4

STATION QC96

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.907 | 6.205 |
| 10    |      | 31.917 | 6.190 |
| 30    |      | 31.930 | 5.866 |
| 50    |      | 32.209 | 5.420 |
| 100   |      | 32.688 | 5.208 |
| 150   |      | 33.577 | 3.638 |
| 200   |      | 33.859 | 3.101 |
| 400   |      | 33.968 | 1.649 |
| 800   |      | 34.240 | .427  |
| 1200  |      | 34.415 | .473  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 51

DATE 12/ 9/83

POSITION 52-29.2 N, 132-29.6 W

HYDROGRAPHIC CAST DATA

22.3

STATION QC97

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.886 | 6.147 |
| 10    |      | 31.903 | 6.166 |
| 30    |      | 31.982 | 5.973 |
| 50    |      | 32.362 | 5.174 |
| 100   |      | 32.615 | 5.382 |
| 150   |      | 33.467 | 3.659 |
| 200   |      | 33.787 | 3.745 |
| 400   |      | 33.958 | 1.635 |
| 800   |      | 34.228 | .420  |
| 1200  |      | 34.427 | .490  |

325

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 52

DATE 13/ 9/83

POSITION 52-40.3 N, 132-43.5 W

HYDROGRAPHIC CAST DATA

.3

STATION QC16

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.798 | 6.100 |
| 10    |      | 31.947 | 6.045 |
| 30    |      | 31.968 | 5.906 |
| 50    |      | 32.287 | 5.536 |
| 100   |      | 32.757 | 5.102 |
| 200   |      | 33.798 | 3.512 |
| 400   |      | 33.977 | 1.487 |
| 600   |      | 34.130 | .613  |
| 800   |      | 34.257 | .366  |
| 1200  |      | 34.427 | .428  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 53

DATE 13/ 9/83

POSITION 52-56.0 N, 132-48.5 W

HYDROGRAPHIC CAST DATA

2.5

STATION C003

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.798 | 6.245 |
| 10    |      | 31.868 | 6.277 |
| 30    |      | 31.917 | 6.192 |
| 50    |      | 32.389 | 5.154 |
| 100   |      | 32.953 | 4.642 |
| 200   |      | 33.859 | 3.208 |
| 400   |      | 33.972 | 1.612 |
| 600   |      | 34.108 | .680  |
| 800   |      | 34.262 | .353  |
| 1040  |      | 34.373 | .367  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 54

DATE 13/ 9/83

POSITION 53- 6.0 N, 133-11.8 W

4.9

STATION QC76

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.742 | 6.106 |
| 10    |      | 31.740 | 6.093 |
| 30    |      | 31.764 | 6.127 |
| 50    |      | 32.143 | 5.883 |
| 100   |      | 32.519 | 6.258 |
| 200   |      | 33.709 | 3.843 |
| 400   |      | 33.956 | 1.646 |
| 600   |      | 34.114 | .723  |
| 800   |      | 34.299 | .423  |
| 1200  |      | 34.418 | .464  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 55

DATE 13/ 9/83

POSITION 53-22.5 N, 133-25.0 W

7.6

STATION QC98

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.822 | 6.102 |
| 10    |      | 31.823 | 6.078 |
| 30    |      | 31.968 | 6.066 |
| 50    |      | 32.371 | 6.109 |
| 100   |      | 32.536 | 6.287 |
| 200   |      | 33.808 | 3.186 |
| 400   |      | 33.973 | 1.721 |
| 600   |      | 34.083 | .835  |
| 800   |      | 34.208 | .472  |
| 1200  |      | 34.404 | .473  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 57

DATE 13/ 9/83

POSITION 53-29.0 N, 133-11.0 W

10.5

STATION Q100

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.600 | 6.278 |
| 10    |      | 31.609 | 6.268 |
| 20    |      | 31.700 | 6.210 |
| 30    |      | 31.937 | 6.028 |
| 50    |      | 32.036 | 6.010 |
| 100   |      | 32.574 | 6.215 |
| 150   |      | 33.385 | 4.008 |
| 200   |      | 33.741 | 3.264 |
| 400   |      | 33.955 | 1.954 |
| 890   |      | 34.279 | .454  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 58

DATE 13/ 9/83

POSITION 53-31.5 N, 133- 5.5 W

11.5

STATION Q101

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.605 | 6.259 |
| 10    |      | 31.621 | 6.241 |
| 75    |      | 32.483 | 5.491 |
| 100   |      | 32.573 | 5.992 |
| 125   |      | 32.851 | 5.053 |
| 150   |      | 33.374 | 3.808 |
| 175   |      | 33.659 | 3.179 |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 59

DATE 13/ 9/83

18.2

POSITION 53-43.0 N, 133-11.0 W

STATION QC67

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.760 | 6.260 |
| 10    |      | 31.767 | 6.268 |
| 20    |      | 31.761 | 6.250 |
| 30    |      | 32.052 | 5.940 |
| 50    |      | 32.453 | 5.650 |
| 75    |      | 32.597 | 5.466 |
| 100   |      | 32.834 | 5.052 |
| 120   |      | 33.080 | 4.554 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 60

DATE 13/ 9/83

18.8

POSITION 53-41.5 N, 133-17.7 W

STATION QC68

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.866 | 6.189 |
| 10    |      | 31.876 | 6.145 |
| 20    |      | 31.896 | 6.171 |
| 30    |      | 31.868 | 6.307 |
| 50    |      | 32.419 | 5.949 |
| 75    |      | 32.528 | 6.355 |
| 100   |      | 32.838 | 4.963 |
| 150   |      | 33.498 | 3.579 |
| 200   |      | 33.816 | 3.086 |
| 270   |      | 33.931 | 2.585 |

329

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 61

DATE 13/ 9/83

19.5

POSITION 53-40.0 N, 133-22.0 W

STATION QC69

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.779 | 6.215 |
| 10    |      | 31.789 | 6.173 |
| 30    |      | 31.949 | 6.024 |
| 50    |      | 32.357 | 5.964 |
| 100   |      | 32.517 | 6.234 |
| 125   |      | 32.960 | 4.869 |
| 150   |      | 33.443 | 3.810 |
| 200   |      | 33.792 | 3.078 |
| 400   |      | 33.955 | 1.973 |
| 520   |      | 34.024 | 1.208 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 62

DATE 13/ 9/83

20.7

POSITION 53-37.5 N, 133-33.5 W

STATION QC70

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.971 | 6.165 |
| 10    |      | 31.899 | 6.144 |
| 30    |      | 31.971 | 6.206 |
| 50    |      | 32.390 | 5.902 |
| 100   |      | 32.670 | 5.618 |
| 150   |      | 33.806 | 4.094 |
| 200   |      | 33.801 | 3.126 |
| 400   |      | 33.945 | 1.807 |
| 800   |      | 34.241 | .433  |
| 1010  |      | 34.354 | .448  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 63

DATE 13/ 9/83

POSITION 53-46.6 N, 133-37.4 W

22.3

STATION QC23

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.911 | 6.172 |
| 10    |      | 31.910 | 6.173 |
| 30    |      | 32.021 | 6.177 |
| 50    |      | 32.352 | 5.987 |
| 100   |      | 32.637 | 5.856 |
| 150   |      | 33.314 | 4.127 |
| 200   |      | 33.691 | 3.271 |
| 400   |      | 33.961 | 1.831 |
| 800   |      | 34.245 | .457  |
| 1050  |      | 34.383 | .439  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 64

DATE 14/ 9/83

POSITION 53-59.5 N, 133-21.0 W

.3

STATION E001

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.956 | 6.163 |
| 10    |      | 31.955 | 6.173 |
| 20    |      | 31.960 | 6.164 |
| 30    |      | 31.993 | 6.065 |
| 50    |      | 32.530 | 5.733 |
| 60    |      | 32.729 | 5.448 |

331

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 65

DATE 14/ 9/83

POSITION 53-58.5 N, 133-26.5 W

.8  
STATION QC18

HYDROGRAPHIC CAST DATA

OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.961 | 6.154 |
| 10    |      | 31.961 | 6.136 |
| 20    |      | 31.963 | 5.996 |
| 30    |      | 32.144 | 5.964 |
| 50    |      | 32.397 | 5.966 |
| 70    |      | 32.646 | 5.639 |

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 66

DATE 14/ 9/83

POSITION 53-57.5 N, 133-34.0 W

1.5  
STATION E002

HYDROGRAPHIC CAST DATA

OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.956 | 6.149 |
| 10    |      | 31.955 | 6.148 |
| 30    |      | 32.232 | 5.855 |
| 50    |      | 32.380 | 5.779 |
| 100   |      | 32.572 | 5.831 |
| 150   |      | 33.701 | 3.069 |
| 200   |      | 33.879 | 2.618 |
| 250   |      | 33.909 | 2.415 |
| 300   |      | 33.925 | 2.279 |
| 410   |      | 33.984 | 1.734 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 67      DATE 14/ 9/83

POSITION 53-56.0 N, 133-37.5 W

HYDROGRAPHIC CAST DATA

2.1  
STATION E003

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      | 31.842 | 6.125 |
| 10    |      | 31.877 | 6.142 |
| 30    |      | 32.241 | 5.798 |
| 50    |      | 32.415 | 5.789 |
| 100   |      | 32.740 | 5.435 |
| 150   |      | 33.736 | 3.044 |
| 200   |      | 33.892 | 2.693 |
| 250   |      | 33.905 | 2.523 |
| 300   |      | 33.932 | 2.289 |
| 360   |      | 33.985 | 1.670 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 76      DATE 15/ 9/83

POSITION 53-53.5 N, 133-49.5 W

HYDROGRAPHIC CAST DATA

15.0  
STATION QC21

## OBSERVED DATA

| DEPTH | TEMP  | SAL    | OXY   |
|-------|-------|--------|-------|
| 0     | 13.70 | 31.858 | 6.243 |
| 10    | 13.69 | 31.892 | 6.254 |
| 20    | 13.62 | 31.868 | 6.224 |
| 30    | 12.55 | 32.052 | 6.079 |
| 50    | 9.30  | 32.350 | 6.025 |
| 76    | 8.14  | 32.485 | 6.095 |
| 101   | 7.80  | 32.645 | 5.709 |
| 126   | 7.47  | 33.137 | 4.465 |
| 151   | 7.06  | 33.593 | 3.636 |
| 176   | 6.81  | 33.770 | 3.189 |
| 201   | 6.67  | 33.842 | 3.042 |
| 250   | 6.09  | 33.902 | 3.028 |
| 300   | 5.54  | 33.890 | 2.919 |
| 399   | 4.78  | 33.995 | 1.343 |
| 498   | 4.43  | 34.062 | .922  |
| 597   | 4.15  | 34.130 | .582  |
| 795   | 3.66  | 34.265 | .330  |
| 993   | 3.27  | 34.351 | .353  |
| 1193  | 3.14  | 34.377 | .466  |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 78

DATE 15/ 9/83

18.0

POSITION 54-13.5 N, 133-49.0 W

STATION Q103

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.225 |
| 10    |      |     | 6.235 |
| 30    |      |     | 6.075 |
| 50    |      |     | 6.058 |
| 75    |      |     | 6.189 |
| 100   |      |     | 5.936 |
| 125   |      |     | 4.745 |
| 150   |      |     | 3.614 |
| 200   |      |     | 2.623 |
| 230   | 5.79 |     | 2.500 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 79

DATE 15/ 9/83

19.5

POSITION 54-24.0 N, 133-47.0 W

STATION QC34

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.209 |
| 10    |      |     | 6.308 |
| 20    |      |     | 6.165 |
| 30    |      |     | 5.665 |
| 50    |      |     | 5.428 |
| 75    |      |     | 4.629 |
| 100   |      |     | 4.553 |
| 125   |      |     | 4.011 |
| 150   |      |     | 3.174 |
| 200   |      |     | 2.601 |

334

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 81      DATE 15/ 9/83

POSITION    54-14.4 N,    133-28.5 W

HYDROGRAPHIC CAST DATA

21.6

STATION QC32

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.228 |
| 10    |      |     | 6.229 |
| 30    |      |     | 6.101 |
| 50    |      |     | 5.996 |
| 75    |      |     | 6.104 |
| 100   |      |     | 5.668 |
| 125   |      |     | 4.974 |
| 150   |      |     | 4.148 |
| 200   |      |     | 3.315 |
| 390   |      |     | 2.091 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 83      DATE 15/ 9/83

POSITION    54-10.0 N,    133-19.0 W

HYDROGRAPHIC CAST DATA

23.0

STATION QC30

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.175 |
| 10    |      |     | 6.156 |
| 20    |      |     | 6.179 |
| 30    |      |     | 6.127 |
| 50    |      |     | 5.817 |
| 75    |      |     | 5.372 |
| 100   |      |     | 5.110 |
| 125   |      |     | 4.559 |
| 140   |      |     | 4.312 |

335

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12- 85      DATE 16/ 9/83  
POSITION    54-21.5 N,    133-24.0 W  
HYDROGRAPHIC CAST DATA

1.0  
STATION QC34

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.249 |
| 10    |      |     | 6.252 |
| 20    |      |     | 6.279 |
| 30    |      |     | 6.101 |
| 50    |      |     | 6.025 |
| 75    |      |     | 5.685 |
| 100   |      |     | 5.611 |
| 125   |      |     | 4.811 |
| 150   |      |     | 3.531 |
| 190   |      |     | 2.783 |

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12- 87      DATE 16/ 9/83  
POSITION    54-31.1 N,    133-13.0 W  
HYDROGRAPHIC CAST DATA

3.0  
STATION QC36

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.008 |
| 10    |      |     | 5.724 |
| 20    |      |     | 4.974 |
| 30    |      |     | 4.994 |
| 50    |      |     | 3.977 |
| 75    |      |     | 3.681 |
| 100   |      |     | 3.195 |
| 125   |      |     | 3.078 |
| 140   |      |     | 3.029 |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 88

DATE 16/ 9/83

POSITION 54-34.5 N, 132-56.5 W

HYDROGRAPHIC CAST DATA

4.2

STATION QC37

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.952 |
| 10    |      |     | 5.952 |
| 20    |      |     | 5.958 |
| 30    |      |     | 5.670 |
| 50    |      |     | 5.285 |
| 75    |      |     | 3.965 |
| 100   |      |     | 3.654 |
| 150   |      |     | 3.228 |
| 200   |      |     | 2.950 |
| 360   |      |     | 2.352 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 91

DATE 16/ 9/83

POSITION 54-19.8 N, 133- 3.2 W

HYDROGRAPHIC CAST DATA

6.9

STATION QC28

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.993 |
| 10    |      |     | 5.987 |
| 20    |      |     | 5.568 |
| 30    |      |     | 5.203 |
| 50    |      |     | 5.077 |
| 75    |      |     | 4.809 |
| 100   |      |     | 3.446 |
| 150   |      |     | 2.731 |
| 200   |      |     | 2.535 |
| 400   |      |     | 2.341 |

337

OFFSHORE OCEANOGRAPHY GROUP  
 REFERENCE NO. 83- 12- 92      DATE 16/ 9/83  
 POSITION 54-18.5 N, 132-48.8 W  
 HYDROGRAPHIC CAST DATA

12.8  
 STATION QC27

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.125 |
| 10    |      |     | 6.025 |
| 30    |      |     | 5.369 |
| 50    |      |     | 4.620 |
| 75    |      |     | 3.859 |
| 100   |      |     | 3.552 |
| 125   |      |     | 3.160 |
| 150   |      |     | 3.137 |
| 200   |      |     | 2.649 |
| 350   |      |     | 2.321 |

OFFSHORE OCEANOGRAPHY GROUP  
 REFERENCE NO. 83- 12- 94      DATE 16/ 9/83  
 POSITION 54-29.5 N, 132-44.8 W  
 HYDROGRAPHIC CAST DATA

14.7  
 STATION QC50

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.131 |
| 10    |      |     | 5.973 |
| 20    |      |     | 5.554 |
| 50    |      |     | 4.582 |
| 75    |      |     | 4.126 |
| 100   |      |     | 3.625 |
| 125   |      |     | 3.419 |
| 150   |      |     | 3.160 |
| 200   |      |     | 2.691 |
| 370   |      |     | 2.415 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 96 DATE 16/ 9/83

POSITION 54-38.4 N, 132-42.6 W

HYDROGRAPHIC CAST DATA

16.2

STATION QC52

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.004 |
| 10    |      |     | 5.687 |
| 20    |      |     | 5.630 |
| 30    |      |     | 5.574 |
| 50    |      |     | 4.396 |
| 75    |      |     | 3.629 |
| 90    |      |     | 3.387 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12- 98 DATE 16/ 9/83

POSITION 54-38.4 N, 132-18.0 W

HYDROGRAPHIC CAST DATA

17.9

STATION QC54

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.221 |
| 10    |      |     | 5.899 |
| 20    |      |     | 5.557 |
| 30    |      |     | 5.417 |
| 50    |      |     | 4.744 |
| 75    |      |     | 3.928 |
| 100   |      |     | 3.360 |
| 125   |      |     | 2.893 |
| 130   |      |     | 2.826 |

339

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12-100      DATE 16/ 9/83  
POSITION    54-25.5 N,    132-18.0 W  
HYDROGRAPHIC CAST DATA

19.7  
STATION QC44

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.273 |
| 10    |      |     | 5.874 |
| 30    |      |     | 5.244 |
| 50    |      |     | 4.380 |
| 75    |      |     | 3.657 |
| 100   |      |     | 3.181 |
| 125   |      |     | 2.923 |
| 150   |      |     | 2.698 |
| 200   |      |     | 2.459 |
| 310   |      |     | 2.308 |

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12-102      DATE 16/ 9/83  
POSITION    54-17.0 N,    132-18.0 W  
HYDROGRAPHIC CAST DATA

21.3  
STATION QC42

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.486 |
| 10    |      |     | 6.137 |
| 30    |      |     | 4.999 |
| 50    |      |     | 4.111 |
| 75    |      |     | 3.376 |
| 100   |      |     | 2.950 |
| 125   |      |     | 2.770 |
| 150   |      |     | 2.725 |

340

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-103 DATE 16/ 9/83

POSITION 54-10.0 N, 132-18.0 W

HYDROGRAPHIC CAST DATA

22.2

STATION QC41

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.914 |
| 10    |      |     | 6.160 |
| 30    |      |     | 5.000 |
| 50    |      |     | 4.391 |
| 75    |      |     | 4.261 |
| 85    |      |     | 4.142 |
| 149   | .80  |     |       |

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-106 DATE 17/ 9/83

POSITION 54-22.0 N, 131-19.0 W

HYDROGRAPHIC CAST DATA

2.3

STATION QC61

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.233 |
| 10    |      |     | 5.745 |
| 20    |      |     | 5.480 |
| 30    |      |     | 5.143 |
| 50    |      |     | 4.247 |
| 75    |      |     | 3.513 |
| 100   |      |     | 3.024 |
| 129   |      |     | 2.868 |

341

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12-107      DATE 19/ 9/83  
POSITION    53-56.0 N,    131-31.4 W  
HYDROGRAPHIC CAST DATA

7.5  
STATION R007

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.948 |
| 10    |      |     | 5.934 |
| 18    |      |     | 5.932 |

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12-109      DATE 19/ 9/83  
POSITION    53-56.0 N,    131-15.0 W  
HYDROGRAPHIC CAST DATA

8.8  
STATION R005

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.232 |
| 10    |      |     | 6.234 |
| 20    |      |     | 5.513 |
| 30    |      |     | 4.613 |
| 36    |      |     | 4.149 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-111

DATE 19/ 9/83

POSITION 53-56.0 N, 131- 3.0 W

HYDROGRAPHIC CAST DATA

10.1

STATION R003

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.101 |
| 10    |      |     | 6.165 |
| 20    |      |     | 5.591 |
| 30    |      |     | 5.475 |
| 50    |      |     | 4.233 |
| 75    |      |     | 3.665 |
| 83    |      |     | 3.604 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-113

DATE 19/ 9/83

POSITION 53-56.0 N, 130-53.5 W

HYDROGRAPHIC CAST DATA

11.1

STATION R001

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.727 |
| 10    |      |     | 5.710 |
| 20    |      |     | 5.128 |
| 27    |      |     | 5.055 |

343

OFFSHORE OCEANOGRAPHY GROUP  
 REFERENCE NO. 83- 12-115      DATE 19/ 9/83  
 POSITION    53- 8.2 N,    131-26.5 W  
 HYDROGRAPHIC CAST DATA

19.9  
 STATION W015

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.018 |
| 10    |      |     | 5.915 |
| 22    |      |     | 5.916 |

OFFSHORE OCEANOGRAPHY GROUP  
 REFERENCE NO. 83- 12-118      DATE 19/ 9/83  
 POSITION    53-11.0 N,    131- 9.5 W  
 HYDROGRAPHIC CAST DATA

21.6  
 STATION W012

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.020 |
| 10    |      |     | 6.006 |
| 20    |      |     | 5.993 |
| 32    |      |     | 4.822 |



## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-119

DATE 19/ 9/83

POSITION 53-12.0 N, 131- 2.7 W

22.2

STATION W011

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.955 |
| 10    |      |     | 5.939 |
| 20    |      |     | 5.248 |
| 30    |      |     | 4.436 |
| 51    |      |     | 3.784 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-121

DATE 19/ 9/83

POSITION 53-13.8 N, 130-51.0 W

23.3

STATION W009

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.031 |
| 10    |      |     | 6.013 |
| 20    |      |     | 6.031 |
| 30    |      |     | 5.073 |
| 50    |      |     | 4.663 |
| 75    |      |     | 3.301 |
| 100   |      |     | 2.870 |
| 123   |      |     | 2.492 |

345

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-123

DATE 20/ 9/83

POSITION 53-15.5 N, 130-41.0 W

HYDROGRAPHIC CAST DATA

.8  
STATION W007

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      |        | 6.163 |
| 10    |      |        | 6.159 |
| 20    |      |        | 6.147 |
| 30    |      |        | 5.317 |
| 50    |      |        | 4.521 |
| 75    |      |        | 3.738 |
| 100   |      |        | 2.874 |
| 150   |      |        | 2.477 |
| 175   |      |        | 2.250 |
| 200   |      | 33.643 | 2.225 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-125

DATE 20/ 9/83

POSITION 53-16.7 N, 130-34.0 W

HYDROGRAPHIC CAST DATA

1.8  
STATION W005

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.057 |
| 10    |      |     | 6.060 |
| 20    |      |     | 5.144 |
| 30    |      |     | 4.906 |
| 50    |      |     | 4.705 |
| 75    |      |     | 4.092 |
| 100   |      |     | 3.358 |
| 125   |      |     | 2.910 |
| 135   |      |     | 2.655 |

346

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12-128      DATE 20/ 9/83  
POSITION    53-19.2 N,    130-18.1 W  
HYDROGRAPHIC CAST DATA

3.4  
STATION W002

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 3.513 |
| 10    |      |     | 3.603 |
| 20    |      |     | 3.823 |
| 30    |      |     | 4.871 |
| 50    |      |     | 5.498 |
| 75    |      |     | 6.048 |
| 100   |      |     | 6.474 |
| 121   |      |     | 6.493 |

OFFSHORE OCEANOGRAPHY GROUP  
REFERENCE NO. 83- 12-131      DATE 22/ 9/83  
POSITION    53-19.2 N,    130-18.1 W  
HYDROGRAPHIC CAST DATA

15.4  
STATION W002

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 3.513 |
| 10    |      |     | 3.659 |
| 20    |      |     | 3.924 |
| 30    |      |     | 4.396 |
| 50    |      |     | 5.253 |
| 75    |      |     | 5.985 |
| 100   |      |     | 6.421 |
| 120   |      |     | 7.196 |

347

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-134

DATE 22/ 9/83

17.0

POSITION 53-16.7 N, 130-34.0 W

STATION W005

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.473 |
| 10    |      |     | 5.955 |
| 20    |      |     | 5.247 |
| 27    |      |     | 5.023 |
| 50    |      |     | 4.215 |
| 75    |      |     | 3.714 |
| 100   |      |     | 3.006 |
| 125   |      |     | 2.585 |
| 135   |      |     | 2.558 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-136

DATE 22/ 9/83

17.9

POSITION 53-15.5 N, 130-41.0 W

STATION W007

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.732 |
| 10    |      |     | 6.637 |
| 20    |      |     | 5.652 |
| 30    |      |     | 4.600 |
| 50    |      |     | 4.262 |
| 75    |      |     | 3.209 |
| 100   |      |     | 2.956 |
| 125   |      |     | 2.521 |
| 150   |      |     | 2.460 |
| 185   |      |     | 2.261 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-138

DATE 22/ 9/83

POSITION 53-13.8 N, 130-51.0 W

18.9

STATION W009

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.275 |
| 10    |      |     | 6.192 |
| 20    |      |     | 5.561 |
| 30    |      |     | 4.628 |
| 50    |      |     | 4.192 |
| 74    |      |     | 3.762 |
| 100   |      |     | 2.924 |
| 118   |      |     | 2.507 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-140

DATE 22/ 9/83

POSITION 53-12.0 N, 131- 2.7 W

20.1

STATION W011

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.195 |
| 10    |      |     | 6.190 |
| 20    |      |     | 6.075 |
| 30    |      |     | 5.776 |
| 51    |      |     | 4.243 |

349

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-141

DATE 22/ 9/83

POSITION 53-11.0 N, 131- 9.5 W

HYDROGRAPHIC CAST DATA

20.7

STATION W012

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.999 |
| 10    |      |     | 5.339 |
| 20    |      |     | 4.694 |
| 30    |      |     | 4.572 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-142

DATE 22/ 9/83

POSITION 53-10.0 N, 131-16.0 W

HYDROGRAPHIC CAST DATA

21.3

STATION W013

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.658 |
| 10    |      |     | 5.675 |
| 20    |      |     | 5.671 |
| 30    |      |     | 5.621 |
| 35    |      |     | 5.590 |

350

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-147

DATE 23/ 9/83

POSITION 52-24.0 N, 130-56.0 W

HYDROGRAPHIC CAST DATA

17.0

STATION M011

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.163 |
| 10    |      |     | 6.038 |
| 30    |      |     | 5.335 |
| 50    |      |     | 4.559 |
| 75    |      |     | 4.151 |
| 100   |      |     | 3.509 |
| 125   |      |     | 3.337 |

OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-150

DATE 23/ 9/83

POSITION 52-28.5 N, 130-29.0 W

HYDROGRAPHIC CAST DATA

19.2

STATION M008

OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.536 |
| 10    |      |     | 6.534 |
| 20    |      |     | 5.936 |
| 30    |      |     | 5.000 |
| 50    |      |     | 4.873 |
| 75    |      |     | 4.557 |
| 100   |      |     | 4.249 |
| 125   |      |     | 3.635 |
| 150   |      |     | 2.752 |

35/

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-152

DATE 23/ 9/83

POSITION 52-31.4 N, 130-11.0 W

20.9

STATION M006

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.556 |
| 10    |      |     | 6.462 |
| 30    |      |     | 5.447 |
| 50    |      |     | 4.780 |
| 100   |      |     | 3.513 |
| 150   |      |     | 2.680 |
| 175   |      |     | 2.507 |
| 200   |      |     | 2.444 |
| 250   |      |     | 2.192 |
| 290   |      |     | 1.938 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-154

DATE 23/ 9/83

POSITION 52-33.8 N, 129-47.3 W

22.4

STATION M004

## HYDROGRAPHIC CAST DATA

## OBSERVED DATA

| DEPTH | TEMP | SAL    | OXY   |
|-------|------|--------|-------|
| 0     |      |        | 6.415 |
| 10    |      |        | 6.440 |
| 30    |      |        | 5.231 |
| 50    |      |        | 4.893 |
| 75    |      |        | 4.476 |
| 100   |      |        | 3.900 |
| 125   |      |        | 3.400 |
| 150   |      |        | 2.812 |
| 200   |      |        | 2.126 |
| 250   |      | 33.918 | 2.062 |



352

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-156

DATE 24/ 9/83

POSITION 52-36.9 N, 129-37.9 W

HYDROGRAPHIC CAST DATA

.0  
STATION M002

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 6.398 |
| 10    |      |     | 6.110 |
| 20    |      |     | 5.673 |
| 30    |      |     | 5.372 |
| 50    |      |     | 5.023 |
| 75    |      |     | 4.376 |
| 100   |      |     | 3.710 |
| 125   |      |     | 2.875 |
| 150   |      |     | 2.524 |
| 175   |      |     | 2.528 |

## OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 83- 12-158

DATE 26/ 9/83

POSITION 52-38.5 N, 129-15.6 W

HYDROGRAPHIC CAST DATA

9.5  
STATION MB

## OBSERVED DATA

| DEPTH | TEMP | SAL | OXY   |
|-------|------|-----|-------|
| 0     |      |     | 5.907 |
| 10    |      |     | 5.757 |
| 20    |      |     | 5.713 |
| 30    |      |     | 5.531 |
| 50    |      |     | 4.873 |
| 75    |      |     | 4.203 |
| 100   |      |     | 3.999 |
| 125   |      |     | 3.893 |
| 150   |      |     | 3.801 |
| 170   |      |     | 3.667 |